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PUBLIC HEALTH REPORTS

ISSUED IN WEEKLY NUMBERS BY THE
SURGEON-GENERAL OF THE PUBLIC HEALTH AND
MARINE-HOSPITAL SERVICE OF THE
UNITED STATES

Volume XXIV—Part I

Numbers 1–26

JANUARY–JUNE, 1909

WASHINGTON
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1910

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco and Point Richmond, and in Contra Costa County, Cal.

Passed Assistant Surgeon Blue reports, December 16 and 21:

SAN FRANCISCO, CAL.

Week ended December 19.

Last case of human plague	Sickened January 30, 1908
Sick inspected	12
Plague	0
Dead inspected	103
Plague	0
Necropsies held	1
Premises inspected	12,337
Houses disinfected	15
Houses destroyed	2
Buildings condemned	10
Nuisances abated	936
Rats found dead	101
Rats trapped	2,122
Total rats taken	2,223
Rats identified:	
Mus norvegicus	1,368
Mus rattus	55
Mus musculus	732
Total	2,155
Rats identified as to sex	1,390
Male	563
Female	827
Rats examined bacteriologically	1,300
Plague rats	0
Certificates of inspection of freight	1
Poisons placed	108,899

POINT RICHMOND, CAL.

Week ended December 12.

Premises inspected	490
Nuisances abated	34
Rats found dead	25
Rats trapped	53
Poisons placed	14,000
Rats examined bacteriologically	53
Plague rats	0

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CONTRA COSTA COUNTY, CAL.

Week ended December 12.

Dead inspected	2
Plague	0
Necropsies held	1

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, December 21:

Week ended December 19.

Date of finding of last plague rat	September 26, 1908
Rats received	1,171
Rats necropsied	1,075
Plague rats found	0
Plague-infected rats to date	21
Vessels inspected	10
Vessels fumigated	3

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*Stockton.*—Three months ended November 30, 1908. Estimated population, 23,000. Total number of deaths, 54, including 6 from tuberculosis. Cases: Smallpox 12, diphtheria 1, and tuberculosis 6.

CONNECTICUT—*Bridgeport.*—Month of November, 1908. Estimated population, 100,000. Total number of deaths, 104, including diphtheria 5, enteric fever 1, and 17 from tuberculosis. Cases: Diphtheria 21, enteric fever 2, scarlet fever 26, measles 18, and pulmonary tuberculosis 8.

FLORIDA.—Report from the State board of health of communicable diseases for the three weeks ended December 19, 1908, shows as follows: *Tuberculosis:* Jacksonville 6, Bartow 2, Tampa 4; Center Hill, Terrell, Manatee, Ybor City, Daytona, Tallahassee, Newberry, Gainesville, White Springs, each 1 case, and 1 case unknown. *Diphtheria:* Jacksonville 8, Tampa 7, West Tampa 5, Ellentown 5, Bradentown 4, Starke and St. Petersburg each 2 cases, Ybor City, Pensacola, Tallahassee, and Palmetto each 1 case. *Enteric fever:* Jacksonville 3, Tallahassee 2, and Coleman, Daytona, Micanopy, South Jacksonville, Quincy, Tampa, West Tampa, Cedar Key, and Lulu each 1 case. *Malarial fever:* Jacksonville 10, Tampa 6, Tallahassee, Quincy, West Tampa, Mt. Dora, Bradentown, Cocoa, and Coleman, each 1 case.

NORTH CAROLINA.—Month of October, 1908. Estimated population, 1,893,810. Reports of state board of health from 80 counties show as follows: Measles in 11 counties, whooping cough in 24 counties, scarlet fever in 30 counties, diphtheria in 55 counties, enteric fever in 57 counties, malarial fever in 15 counties, pernicious malarial fever in 5 counties, hemorrhagic malarial fever in 6 counties, and smallpox in 3 counties, viz: Bertie, 2; Currituck, a few; Richmond, 1.

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OHIO—*East Liverpool.*—Month of November, 1908. Estimated population, 20,000. Total number of deaths 18, including enteric fever 1 and 4 from tuberculosis. Cases: Enteric fever 1, scarlet fever 3, diphtheria 3, and tuberculosis 4.

RHODE ISLAND—*Newport.*—Annual report of 1908. Estimated population, 25,000. Total number of deaths, 351, including enteric fever 1, scarlet fever 2, diphtheria 4, and 33 from tuberculosis. Cases: Diphtheria 116, scarlet fever 111, enteric fever 12, measles 10, and pulmonary tuberculosis 29. Month of October, 1908. Total uumber of deaths, 24, including 1 from tuberculosis. Cases: Diphtheria 19, enteric fever 1, scarlet fever 3, and pulmonary tuberculosis 1. Month of November, 1908. Total number of deaths, 31, including whooping cough 2, diphtheria 2, and 6 from tuberculosis. Cases: Diphtheria 21, pulmonary tuberculosis 1, enteric fever 1, and scarlet fever 8.

TEXAS—*Fort Worth.*—Month of November, 1908. Estimated population, 70,000. Total number of deaths, 75, including 2 from diphtheria. Cases: Scarlet fever 8, diphtheria 25, measles 1, whooping cough 1.

VIRGINIA—*Newport News.*—Month of November, 1908. Estimated population, 28,749. Total number of deaths, 23, including enteric fever 2, and 7 from tuberculosis. Cases: Diphtheria 4.

WEST VIRGINIA—*Charleston.*—Month of November, 1908. Estimated population, 26,000. Total number of deaths, 31, including enteric fever 2, and 2 from tuberculosis. Cases: Diphtheria 11, scarlet fever 1, enteric fever 10, whooping cough 1, and tuberculosis 6.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to January 1, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Arkansas:				
Texarkana	Nov. 26–Dec. 18	3		
Total for State		3		
California:				
Los Angeles	Dec. 6–12	1		
San Francisco	Dec. 13–19	1		
Stockton	Nov. 1–30	12		
Total for State		14		
Illinois:				
Belleville	Dec. 4–20	2		
Total for State		2		
Indiana:				
Carroll County	Oct. 1–31	26		
Clay County	Oct. 1–31	8		
Dearborn County	Oct. 1–31	1		
Elkhart County	Oct. 1–31	1		
Madison County	Oct. 1–31	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued:				
Sullivan County	Oct. 1–31	2		
Tippecanoe County	Oct. 1–31	4		
La Fayette	Dec. 15–21	1	1	
Vigo County	Oct. 1–31	1		
Total for State		45	1	
Kansas:				
Topeka	Dec. 13–19	4		
Total for State		4		
Maine:				
Canadian border	Dec. 19			Still present.
Mississippi:				
De Soto County	Nov. 1–Dec. 22	135		
Total for State		135		
Minnesota:				
Minneapolis	Nov. 1–30	8		
Total for State		8		
Montana:				
Butte	Dec. 2–15	6		
Total for State		6		
New Hampshire:				
Hinsdale	Nov. 1–Dec. 15	6		
West Chesterfield	Nov. 1–Dec. 15	1		
Westmoreland	Nov. 1–Dec. 15	1		
Total for State		8		
Ohio:				
Cincinnati	Dec. 12–18	5		
Total for State		5		
Texas:				
Cost	Oct. 1–Dec. 19			Present.
Laredo	Dec. 26	2		
Monthalia	Oct. 1–Dec. 19			Do.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–19	4		
Total for State		6		
Washington:				
Spokane	Dec. 6–12	1		
Total for State		1		
Wisconsin:				
La Crosse	Dec. 13–19	2		
Manitowoc	Dec. 13–19	4		
Total for State		6		
Grand total for the United States		243	1	

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Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Dec. 19	38,973	14					1		3		1			
Baltimore, Md	...do	508,957	174	15	22	14	2	11		19	1	27			
Bath, Me	...do	10,477												1	
Bayonne, N. J	...do	82,722		1	1			4		2	1	12		1	
Belleville, Ill	Dec. 20	17,484				1		5		1					
Berkeley, Cal	Dec. 12	13,214	8			2						2			
Biddeford, Me	Dec. 19	16,145	7	1	1										
Binghamton, N. Y	...do	38,647	13		3										
Birmingham, Ala	...do	38,415	22	7	4	8	1	4		1					
Boston, Mass	...do	560,892	247	42	24	27	1	41	3	89	5	20	4	15	2
Braddock, Pa	...do	15,654	5					4		5	1	1			
Bradford, Pa	...do	15,029	6									1			
Brockton, Mass	...do	40,063	6					2		1				2	
Butte, Mont	Dec. 8	30,470	6		1			7		1					
Do	Dec. 15	30,470	7		1			4	1	4					
Cambridge, Mass	Dec. 19	91,886	36	8	3			17		11		7		3	3
Camden, N. J	...do	75,935	34	17	2			4		9	2	3			
Camden, S. C	...do	2,441	2												
Carbondale, Pa	...do	13,536	6									2			
Charlotte, N. C	Dec. 18	18,091	8							1	1				
Chelsea, Mass	Dec. 19	34,072	5	2				2				2			
Chicago, Ill	...do	1,698,575	580	61	57	46	12	199	12	201	23	99	3	12	1
Chicopee, Mass	...do	19,167	10	1		1		1		1					
Cincinnati, Ohio	Dec. 18	325,902	117	7	10	3		7		14	1	1		5	
Cleveland, Ohio	...do	381,768	125	20	10	11	1	24		34	2	7		12	
Clinton, Mass	Dec. 19	13,667				1	1								
Columbus, Ga	...do	17,614	6												
Corning, N. Y	Dec. 19	11,061	4												
Covington, Ky	...do	42,938	16	3	2										
Danville, Ill	...do	16,534	7		2			6		3					
Dayton, Ohio	...do	85,333	35	1	3	1		3		3		1			
Detroit, Mich	...do	285,704	130					11		18	2				
Dunkirk, N. Y	...do	11,616	4					2		1					
Elkhart, Ind	Dec. 12	15,184	3	2	2										
Do	Dec. 19	15,184	7	1	1					4	1				
Elmira, N. Y	...do	35,672	13		2	1		1		1					
Erie, Pa	...do	52,733	9	1	1	2		14		5		1		3	
Evansville, Ind	...do	59,007	17	5	2	1	1	1		9					
Everett, Mass	...do	24,336	3		1	1				1					
Fall River, Mass	...do	104,863	40	3	1	2		7		1		2		4	
Findlay, Ohio	...do	17,613	1												
Fort Wayne, Ind	Dec. 23	45,115	19		4	6		1		1	1				
Galesburg, Ill	Dec. 19	18,607	11							3	2				
Galveston, Tex	Dec. 18	37,789	15	5	1	8				2	1				
Gloucester, Mass	Dec. 19	26,121	7		1				1						1
G'd Rapids, Mich	...do	87,565	18			2	1	23		1				1	
Greensboro, N. C	...do	10,035	3	1	1		1								
Harrison, N. J	...do	10,596	2												
Hartford, Conn	Dec. 13	79,850	24	4	1	1		3		11	1				
Haverhill, Mass	Dec. 19	37,175	12	3	2			1		10					
Hoboken, N. J	...do	59,364						2	1	3		4		2	
Homestead, Pa	Dec. 14	12,554	8	1											
Do	Dec. 21	12,554	7												
Indianapolis, Ind	Dec. 20	169,164	49		5	1	2			22	2	4			
Jacksonville, Fla	Dec. 19	28,429	16		2										1
Jersey City, N. J	Dec. 20	206,433	105	1	22			11	4	20	1	76			1
Johnstown, Pa	Dec. 19	35,936	19	2	2	10		4		7		3			
Kansas City, Kans	Dec. 12	51,418	25	2	3	1	1	9		3	1	1			
Do	Dec. 19	51,418	9		1	2		1		5					
Kearny, N. J	...do	10,896	5	1	1			4		4					
Kingston, N. Y	Dec. 12	24,535	7								1				
Do	Dec. 19	24,535	6		1										
Knoxville, Tenn	...do	32,637			2		1	1				4			
La Crosse, Wis	Dec. 12	28,895	7			1				2					
Do	Dec. 19	28,895								1					
La Fayette, Ind	Dec. 14	18,116	7												
Do	Dec. 21	18,116	3												
Lancaster, Pa	Dec. 19	41,459	14	1		2		2						1	
Lawrence, Mass	...do	62,559	23	1	6	2				16	2	53	1		
Lexington, Ky	...do	26,369	14		3			2				1		1	
Los Angeles, Cal	Dec. 12	102,479	70	2	11	7	2	4		7	1	1			
Lowell, Mass	Dec. 19	94,469	25	3	3	2	1	1		7					
Lynn, Mass	Dec. 12	68,513	19		3	1		3		15					
Do	Dec. 19	68,513	24		5	3	1	8		13		3			

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Malden, Mass	Dec. 19	33,664	14	3	1			1		11	1				
Manchester, N. H.	do	56,987	27	2	2	1	2	5		17	1	1		3	3
Manitowoc, Wis	do	11,786	1							1		4			
Marinette, Wis	Dec. 18	16,195	3												
Marlboro, Mass	Dec. 19	13,609	4												
Massillon, Ohio	do	11,944	1												
Medford, Mass	do	18,244	5		1	2		4		1					
Milwaukee, Wis	Nov. 28	285,315	80	7	7	15	2	18		15	2	12		7	
Mobile, Ala	Dec. 12	38,469	16		5										
Montclair, N. J	Dec. 19	13,962	5					4		2					
Montgomery, Ala	Dec. 18	30,346	17		3										
Moline, Ill	Dec. 13	17,248	8					2		1		1			
Morristown, N. J	Dec. 19	13,000	3	2						1					
Mt. Vernon, N. Y	do	21,228	10		3			1				8			
Nanticoke, Pa	Dec. 20	12,616	6							7	2				
Nashville, Tenn	Dec. 19	80,865	37		5	2	2	3		4					
Newark, N. J	do	246,070	96		18	3		34	1	18	2		1		2
New Bedford, Mass	do	63,442	18	3	1	2		3		3		1			1
New Brunswick, N. J	Dec. 12	20,006								3	1				
Newburyport, Mass	Dec. 19	14,478	6	4						1					
New Orleans, La	do	278,104	121	18	17	5		23	1	21					
Newton, Mass	do	33,587	10	2				2		7					
New York, N. Y	do	3,437,202	1,359	418	185	60	10	282	15	376	31	352	18	30	5
Niagara Falls, N. Y	do	19,457	5	1		5	1	2		2					
Norristown, Pa	do	22,265	6	2	1										
North Adams, Mass	do	24,200	7	1						2					
Northampton, Mass	do	18,643	6			1									
Oneonta, N. Y	do	7,147	3	1		1		2							
Orange, N. J	do	24,141	16	1	2			2		1					
Ottumwa, Iowa	do	18,197	7	3		1		1						2	
Palmer, Mass	Dec. 12	7,801	3												
Do	Dec. 19	7,801	7												
Philadelphia, Pa	Dec. 12	1,293,697	469	106	62	44	13	51	2	104	11	45		7	
Pittsfield, Mass	Dec. 12	21,766	9	2	1			1		2					
Do	Dec. 19	21,766	6	5	2			1							
Plainfield, N. J	do	15,369	6	2											
Portsmouth, Va	Dec. 22	17,427	10		2			3							
Portland, Me	Dec. 12	50,145	10	1	1			6		2					
Do	Dec. 19	50,145	16	1			1	5		3		1		3	2
Providence, R. I	do	175,597	79	5	12	1	2	11		19	1	1			
Racine, Wis	do	29,102	5					4						1	
Reading, Pa	Dec. 21	78,961	29	1		38	4	4		6					
Rockford, Ill	Dec. 12	31,051								2		23			
Do	Dec. 19	31,051								1					
Rock Island, Ill	do	19,493	1			2				2	5	33			
Saginaw, Mich	Dec. 12	42,345	11	1	1	11								3	1
St. Louis, Mo	Dec. 19	575,238	185	44	22	8	1	30	1	60		1			
San Antonio, Tex	Dec. 12	53,531								2					
Do	Dec. 19	53,531				3				1		1			
San Francisco, Cal	Dec. 5	342,782	110	25	7	11	1	15	2	20	3	63	1	1	
Do	Dec. 12	342,782	114	22	12	6	1	11	1	8	1	71		3	
Do	Dec. 19	342,782	134	21	11	11	2	12	2	7	2	48		1	1
Scranton, Pa	do	102,026	35	1	2	1		12	2	7	2	12	1		
Shamokin, Pa	do	18,202						3		5	1				
Somerville, Mass	Dec. 12	61,643	18	1	1	2		12		12					
Do	Dec. 19	61,643	15	7	1			10		13					
South Bend, Ind	do	35,999	10	3	3					2	1	2			
South Omaha, Nebr	do	26,001								3					
Spokane, Wash	Dec. 12	38,848	26				2	6		8	2	2			
Springfield, Ill	Dec. 17	34,159	9					1		1					
Springfield, Mass	Dec. 19	62,059	25	2	2	2		6		9	2	5			
Springfield, Ohio	do	38,253	11	3	2					2					
Steelton, Pa	do	12,068		1	1										
Tacoma, Wash	Nov. 22	37,714	16	1	1	3	1	1							
Do	Nov. 29	37,714	12		2			1		1					
Do	Dec. 6	37,714	18			1									
Do	Dec. 13	37,714	18		2	2		1		2					
Taunton, Mass	Dec. 19	31,036	12	1	3									2	
Terre Haute, Ind	do	36,673	19		2			2		2	2	2			
Titusville, Pa	do	8,224	6			1		13	1						

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Topeka, Kans	Dec. 12	33,608	13	3		1	1			1		1			
Trenton, N. J	Dec. 19	73,307				3	1			1					
Waltham, Mass	do	23,481	4	8				2		3				1	
Warren, Ohio	do	8,529	3							1					
Washington, D. C.	Dec. 12	278,718	97	49	14	22	2	9		17	1	20		1	
Wheeling, W. Va	do	38,878	10							8					
Do	Dec. 19	38,878	12	3	1			1		3					
Wichita, Kans	do	24,671						2		1		1			
Wilkes-Barre, Pa	Dec. 11	51,721	18	8	2			2		19	1				
Do	Dec. 18	51,721	18	1				1		16	1	1		3	
Wilkinsburg, Pa	Dec. 21	13,000	2			1		1				1			
Williamsport, Pa	Dec. 19	28,757	7	5				2				1			
Wilmington, Del	do	76,508	25		6										
Woburn, Mass	do	14,254	2	1	1			2							
Worcester, Mass	Dec. 12	118,421	42		3	1		6	1	14	1			5	
Do	Dec. 19	118,421	36		1	1		3		18		1			

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FOREIGN AND INSULAR.

BARBADOS.

Report from Bridgetown—Yellow fever.

The following is received from the Department of State, under date of December 29:

Consul at Barbados sent cablegram reading "Two fatal yellow fever cases just reported."

BRAZIL.

Report from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox.

Acting Assistant Surgeon Stewart reports, November 28:

Two weeks ended November 28. Vessels inspected and received bills of health: November 16, the British steamship *Devonshire*, for New York, in coffee cargo, with no passengers and no change in the personnel of the crew; November 18, the British steamship *Heronspool*, for Sand Key, Fla., in water ballast, with no passengers and no change in the personnel of the crew; November 19, the British steamship *Teespool*, for Sand Key, Fla., in water ballast, with no passengers and no change in the crew personnel; November 21, the British steamship *Voltaire*, for New York, with 16 cabin and 13 steerage passengers, with no change in the crew personnel, and in cargo of coffee; on the same date the British steamship *Swedish Prince*, for New York, with 7 cabin passengers for an intermediate port, with coffee cargo and no change in the crew personnel; on the same date the British steamship *Welsh Prince*, for New Orleans, in coffee cargo, with no passengers and no change in personnel; November 22, the British steamship *Ras-Bera*, for New Orleans, in coffee cargo, with no passengers and no change in personnel; November 24, the British steamship *Chaucer*, for New Orleans, in cargo of coffee, with no passengers and no change in the personnel of the crew; on the same date the Belgian steamship *Camoens*, for New York, with cargo of coffee, no passengers and no change in the crew personnel, and on the same date the British steamship *Hillglen*, for some southern port, via St. Lucia for orders, in water ballast, with no passengers and no change in the personnel of the crew.

Mortality report, city of Rio de Janeiro, week ended November 22. Total estimated population, 811,443. Total deaths, 413. No deaths nor cases reported due to yellow fever. Smallpox caused 116 deaths, with 210 new reported cases, of which number 58 were reported from

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the suburban zone. Plague caused 4 deaths, with 11 new reported cases. At the close of the week there were in the hospital São Sebastião, 9 cases of plague and 192 cases of smallpox; in the hospital Engenho de Dentro, 131 cases of smallpox; and in the hospital Paula Candido, 109 convalescent cases of smallpox.

Week ended November 29. Total deaths, 365. Smallpox caused 84 deaths, with 206 new reported cases, of which number 67 were in the suburban zone. Plague caused 4 deaths, with 7 new reported cases. At the close of the week there were in the hospital São Sebastião 215 cases of smallpox and 15 cases of plague; in the hospital Engenho de Dentro, 129 cases of smallpox; and in the hospital Paula Candido, 65 convalescent cases of smallpox.

CHINA.

Report from Shanghai—Inspection of vessels—Smallpox—Plague in Tientsin and vicinity diminishing.

Acting Assistant Surgeon Ransom reports, November 24:

During the week ended November 21, supplemental bills of health were granted to 2 steamships, with an aggregate personnel of 1,067. There were inspected 1 vessel, 113 crew and 2 steerage passengers. There were also inspected during the week 435 packages of freight destined to the United States.

Smallpox continues present in the settlement, and is slowly increasing.

It is reported from Tientsin and surrounding country that bubonic plague is rapidly diminishing.

CUBA.

Report from Cienfuegos—Inspection of vessels—House and water-deposit inspection.

Acting Assistant Surgeon Suarez reports, December 21:

Week ended December 19.

Vessels inspected	2
Bills of health issued	2

No quarantinable disease was reported. During the month of November 11,253 premises were examined and petrolized, and 51 breeding places for mosquitoes were found.

Report from Habana—Inspection and fumigation of vessels—Health conditions.

Passed Assistant Surgeon Amesse reports, December 22:

Week ended December 19.

Vessels inspected	16
Bills of health issued	20
Members of crews of outgoing vessels inspected	1,061
Passengers of outgoing vessels inspected	735
Vessels fumigated prior to sailing	2

Health conditions throughout Cuba continue satisfactory.

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Report from Santiago—Inspection of vessels—Smallpox cases taken from United States coaling vessel at Guantanamo—House and water-deposit inspection.

Acting Assistant Surgeon Wilson reports, December 15:

Week ended December 12. Bills of health issued to 6 vessels bound for the United States and its dependencies. No vessel was fumigated. No quarantinable disease was reported in this city.

The sanitary department reports having made 3,029 inspections of houses during the week. In only 10 were mosquito larvæ found in water deposits. The city is practically free from mosquitoes.

GERMANY.

Report from Berlin—Status of cholera in Russia.

The following is received from Consul-General Thackara, under date of December 10:

According to official statistics there were registered in Russia during the week ended November 14, 419 cases of cholera, with 189 deaths. Since the beginning of the epidemic there have been registered in the whole of Russia 27,361 cases of cholera, with 13,045 deaths.

HAWAII.

Report from Honolulu—Plague rats at Hilo.

Temporary Chief Quarantine Officer Moore reports:

December 30, plague rats at Hilo.

Examination of rats at Honolulu for plague infection.

Passed Assistant Surgeon Currie, plague laboratory, reports, December 6, through Temporary Chief Quarantine Officer Moore:

Week ended December 5.

Rats taken in Honolulu	917
Trapped	901
Found dead	0
Shot from trees	16
Examined bacteriologically	760
Showing plague infection	0
Classification of rats shot from trees:	
Mus alexandrinus	12
Mus rattus	2
Total classified	14
Classification of rats trapped:	
Mus rattus	170
Mus norvegicus	75
Mus alexandrinus	72
Mus musculus	584
Total classified	901
Average number of traps set daily	1,376

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INDIA.

Reports from Calcutta—Transactions of Service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Eakins reports, November 26 and December 3:

During the week ended November 21 a bill of health was issued to the steamship *Neuenfels*, bound for Philadelphia and New York, with a total crew of 63. The usual precautions were taken, the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

Week ended November 28 a bill of health was issued to the steamship *Lichtenfels*, bound for Boston and New York, with a total crew of 64; to the steamship *Breconshire*, bound for Manila, with a total crew of 77; and to the steamship *Henden Hall*, bound for New York, with a total crew of 31. The usual precautions were taken, the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

During the week ended November 7 there were 9 deaths from cholera, 10 from plague, and 1 from smallpox in Calcutta. In Bengal there were 51 cases of plague, with 44 deaths. In India during the same period there were 2,652 cases of plague, with 1,993 deaths.

Week ended November 14 there were 8 deaths from cholera, 5 from plague, and 2 from smallpox in Calcutta. In Bengal there were 113 cases of plague, with 94 deaths. In India during the same period there were 2,596 cases of plague, with 1,943 deaths.

Week ended November 21 there were 12 deaths from cholera, 5 from plague, and 2 from smallpox in Calcutta. In Bengal there were 69 cases of plague, with 71 deaths. In India during the same period there were 2,168 cases of plague, with 1,632 deaths.

ITALY.

Report from Naples—Inspection of vessels—Emigrants recommended for rejection—Smallpox in Naples—Epidemic of smallpox at Polesella—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, December 7:

Vessels inspected at Naples, Messina, and Palermo week ended December 5.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Nov. 30	Perugia	New York	162	40	280
Dec. 5	Ancona	Philadelphia	681	90	950
	Total		843	130	1,230

MESSINA.

Dec. 1	Perugia	New York	59	20	71

PALERMO.

Dec. 2	Perugia	New York	232	255	159

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Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Nov. 30	Perugia	10	.....	2	.....	4	16
Dec. 5	Ancona	19	1	8	.....	5	33
	Total	29	1	10	.....	9	49

MESSINA.

Dec. 1	Perugia	4	.....	.....	.....	.....	4

PALERMO.

Dec. 2	Perugia	8	.....	11	.....	5	24

Smallpox in Naples.—During the week ended December 6, 28 new cases of smallpox, with 4 deaths, were reported at the health office of the city of Naples. All the usual precautions against the spread of the disease are continued by the authorities. From the date of the introduction of the disease from Marseille, June 13, 1908, to the present, the total number of cases has been 206, with 22 deaths.

Smallpox at Polesella.—It is reported that a severe epidemic of smallpox has appeared in the town of Polesella. The first case was a merchant who had just returned from Japan.

Smallpox, status of, in Italy.—Week ended December 6. Cases: Portici 1, Bosco Reale 1, Resina 1, Cinquefrondi 4, Tatrinoli 1, Rudiceno (Reggio Calabria) 1, Colletorto (Campobasso) 1.

JAPAN.

Report from Yokohama—Inspection of vessels—Summary of examination of emigrants, November, 1908—Leprosy—Plague-infected rats.

Passed Assistant Surgeon Cumming reports, December 7:

Bills of health were issued during the two weeks ended December 5 to 10 vessels, having an aggregate personnel of 120 saloon and 575 steerage passengers and 780 members of crews. One steamship was fumigated in part for the destruction of rats.

During the month of November 1 leper, a citizen of the United States, was rejected on board the steamship *Mongolia.*

During the month there were examined with reference to the presence of loathsome or dangerous contagious disease 153 intending emigrants for the United States or their possessions, of whom 110 were passed, 102 certified, 4 refused on account of trachoma, and 1 for leprosy. Thirty-nine were held for diagnosis.

Two plague-infected rats were reported found in Yokohama November 5, 2 November 14, and 2 November 26, all at Hironuma suburb, away from shipping front.

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Reports from Kobe—Inspection of vessels—Examination of emigrants.

Acting Assistant Surgeon Smith reports, November 25 and December 3:

During the week ended November 21, 6 supplemental bills of health were granted to 6 steamships.

There were inspected 103 members of crew and 1,187 steerage passengers. Fifty-four steerage passengers were bathed and disinfected, and their effects were disinfected by steam. The number of pieces of baggage steamed was 124 and of bedding 98. Manifests were viséed for 55,138 pieces of freight, amounting to 3,860 tons.

Emigrants were examined as follows: Steamship *Aki Maru*, for Seattle, passed 26, recommended for rejection 5; steamship *Korea* for Honolulu, passed 25, recommended for rejection 17; and steamship *Korea* for San Francisco, passed none, recommended for rejection 1. The emigrants passed, together with 2 intending passengers to Victoria by the steamship *Aki Maru*, were inspected, bathed, and disinfected, and their effects disinfected before embarkation. During the week 45 cases of human hair were disinfected with formalin.

Week ended November 28. No bills of health were issued from this station, and there were no emigrants from Kobe. During the week 59 cases of human hair were disinfected with formalin. Manifests were viséed for 68 pieces of freight amounting to 4 tons.

MEXICO.

Report from Mexico City—Yellow fever at Veracruz and in Merida and vicinity.

The following is received from Dr. Eduardo Liceaga, president of the superior board of health of Mexico, under date of December 17:

During the week ended December 6, 3 cases of yellow fever occurred at Veracruz, 3 cases with 1 death at the city of Merida, 2 cases 1 death at Maxcanu, 50 kilometers distant from Merida, and 2 cases and 2 deaths at the Itzincal plantation, 25 kilometers south of Merida.

Report from Salina Cruz—Inspection and fumigation of vessels.

Acting Assistant Surgeon McPherson reports December 16: Period from December 1 to 15 inclusive. Two steamships inspected and fumigated.

PERU.

Report from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Smallpox in Lima—Plague at Iquique, Chile.

Acting Assistant Surgeon Gutierrez reports December 7:

Two weeks ended December 5. During the week ended November 28 bills of health were issued to 4 vessels, with an aggregate personnel of 233 in the crew, 83 cabin and 87 steerage passengers. Three of the 4 vessels were fumigated.

During the week ended December 5, 3 vessels were fumigated. They carried an aggregate personnel of 145 members of crews, 7 cabin and 1 steerage passengers.

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The following is the latest report on plague in Peru received from the Director de Salubridad Pública:

Locality.	Cases Nov. 12.	New.	Recovered.	Died.	Remaining Nov. 19.
Lima	7	6	1	3	9
Callao		2			2
Trujillo (city)	31	5	6	1	30
Trujillo (country)		1			
Chepen	8		1		7
Lambayeque		1			1
San Pedro	5	2		1	6
Monsefú	2	2	1		3
Chiclayo	1	3	1	2	1
Eten		3		3	
Ferrenaje		3		1	2
Mollendo		2		1	1

No new cases of plague have occurred in Callao since November 16.

Two patients with smallpox were isolated in the lazaretto at Lima November 19.

Bills of health report plague in Chile as follows: One case of plague in the lazaretto at Iquique, and 1 case and 1 death within 2 weeks.

PHILIPPINE ISLANDS.

Reports from Manila—Status of cholera—House-to-house inspection—Spread of cholera in the provinces—New water supply at Manila—Inspection of vessels.

Chief Quarantine Officer McClintic reports, November 10 and 17:

Week ended November 7. Twenty-five new cases of cholera with 17 deaths, and no new cases of smallpox, with 1 death, were reported for the city of Manila.

The cholera epidemic in Manila is practically under control. Only a few sporadic cases occur each day. The infection, however, is widely spread.

The death rate has very markedly decreased since the house-to-house inspection began.

Hospital treatment has resulted in recoveries in nearly all cases received in a sufficiently early stage of the disease. While the cholera epidemic was severe for about a week, on the whole the situation has been more completely under control than during previous epidemics.

The onward march of cholera from province to province and town to town has been slow but steady, and the infection now extends from the extreme north of Luzon to the south of Mindanao. It has also appeared in the province of Samar, 15 cases and 15 deaths being reported for the week just past. The situation in Mindanao, especially on the Davao Gulf and in vicinity, is becoming critical, as the nomadic Moros are carrying the infection to the interior towns and mountain barrios with great rapidity in their frantic efforts to get away from the disease centers. Instances have occurred of the entire population of a small town going to the mountains, leaving the sick and dead behind, to be found later by travelers or the inspecting constables who go from place to place.

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In Iloilo Province, where so far about 6,000 cases have occurred, the epidemic is dying out, and only a few scattered cases now occur.

During the week reports of cholera occurring in the provinces were received by the bureau of health as follows:

Province.	Cases.	Deaths.
Rizal	33	28
Samar	15	15
Bulacan	9	8
Leyte	2	.....
Ilocos Sur	46	28
Bataan	1	1
Pampanga	1	1
Capiz	93	41
Palawan	2	1
Cavite	15	10
Iloilo	70	43
Occidental Negros	78	51
Antique	35	18
Laguna	23	18
Union	6	4
Ilocos Norte	57	38
Cagayan	8	4
Total	494	309

During the week consular bills of health were issued at the port of Manila as follows:

November 2 the British steamship *Woglinda*, with 39 in the crew and with 2 passengers, bound for New York, was granted a bill of health after the usual inspection of cargo and personnel.

November 7 the British steamship *Severic*, with 54 in the crew and with 2 passengers, was granted a bill of health for Tacoma via Hongkong and Japan ports. The cargo and personnel were inspected and certified prior to sailing.

Twenty-one cases of cholera with 12 deaths, and 2 cases of smallpox with 1 death, are reported as having occurred in the city of Manila during the week ended November 14.

Cholera in Manila.—Cholera in the city of Manila is still on the decrease. The new cases occurring during the week were sporadic cases, reported from widely separated sections of the city. The situation is very encouraging.

New water supply.—From a sanitary standpoint, the completion and formal opening on November 12 of the new water supply for the city of Manila is one of the greatest achievements for the public good that has been undertaken since the American occupation of the Philippine Islands. The old system, drawing its supply from the Mariquina River, on the watershed of which above the intake resided thousands of persons, was not only inadequate, but also a constant menace from a health standpoint, even though a military guard was placed over the water supply as soon as cholera made its appearance in that vicinity. The new supply provides at least 100 gallons of water per day for each inhabitant of the city, and is taken from a watershed over 140 square miles in extent in a wild, mountainous section on which there are now no human residents, and which has been withdrawn from settlement. The intake is located in a mountain gorge, high up the valley beyond the reach of contamination from human sources.

A new reservoir capable of holding 50,000,000 gallons of water has also been completed. The water is brought from the head works to this

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reservoir in a riveted steel pipe 42 inches in diameter and 10½ miles long. The reservoir is 140 feet higher than the city of Manila, thus affording a pressure of about 75 pounds.

Since the diseases which are the most prevalent in this city are water-borne, or due to intestinal parasites, it will be readily observed what a great stride the city has made for the preservation of the public health in this improvement. We now have an abundant and inexhaustible supply of pure mountain water for each house and yard of the city and suburbs.

Provincial water supply.—The work of providing artesian wells in the provinces, drilled by the government, continues. The drilling machines are kept working day and night, and many additional towns have been supplied with water of unquestionable purity, and in many cases in great abundance.

The effect of good water on the health and sanitary condition of a barrio is very apparent and the contrast at times is notable.

Provincial cholera.—One fatal case of suspected cholera occurred on the steamship *Elcano* at Calbayog. The body was buried at sea and the vessel remanded to the Mariveles quarantine station, where the usual disinfection and inspection were accomplished, after which the vessel was allowed to come to Manila and discharge. No secondary cases occurred.

During the week reports of cholera occurring in the provinces were received by the bureau of health as follows:

Province.	Cases.	Deaths.
Rizal	24	19
Samar	19	16
Bulacan	13	6
Leyte	4	4
Ilocos Sur	36	25
Pampanga	1	1
Capiz	164	76
Palawan	4	2
Cavite	16	11
Iloilo	73	31
Occidental Negros	32	27
Antique	25	18
Laguna	18	12
Ilocos Norte	30	33
Cagayan	4	5
Total	463	286

During the week consular bills of health were issued at the port of Manila as follows:

November 12, the Norwegian steamship *Sark*, with 27 in the crew, en route from Newcastle to Iloilo, was granted a supplemental bill of health. November 12, the British steamship *Pathan*, with 58 in the crew, en route from Yokohama to New York, was granted a supplemental bill of health, after the usual inspection of personnel and cargo. November 14, the British steamship *Benalder*, with 38 in the crew and with 1 passenger, en route from Hongkong to Cebu, was granted a supplemental bill of health. November 14, the British steamship *Taming*, with 69 in the crew and with 4 passengers, en route from Hongkong to Cebu, was granted a supplemental bill of health.

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RUSSIA.

Report from Libau—Status of cholera in Russia—Emigrants sailing per steamship Birma.

Acting Assistant Surgeon DeForrest reports, December 9:

Reports from St. Petersburg December 2 show for that day 33 new cases with 8 deaths. In other localities of Russia cholera is decreasing. One case is reported present at Odessa, 1 at Dorpat, and 3 cases at Riga. From 1 to 4 cases are reported weekly from the following places: Poltava, Schuscka, Dnjeprowsk (Simferopol), Alupka, Galitsch (Kostroma), Bijsk, Smeinogorsk, Erivan, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.

The steamship *Birma* sailed December 8 for New York with 326 steerage passengers, 16 cabin passengers, and 71 crew, including officers, making a total of 413 on board.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Sierra Leone—Freetown.*—Month of September, 1908. Estimated population, 40,000. Total number of deaths, 96. No deaths from contagious diseases reported.

AUSTRALIA—*New South Wales—Sydney.*—Month of August, 1908. Estimated population, 538,500. Total number of deaths, 521, including diphtheria 5, enteric fever 1, scarlet fever 4, and 54 from tuberculosis.

Queensland—Brisbane.—Month of October, 1908. Estimated population, 135,655. Total number of deaths, 135, including measles 4 and 13 from tuberculosis.

South Australia.—Month of October, 1908. Estimated population, 394,692. Total number of deaths, 234, including whooping cough 2, tuberculosis 34, and 2 from enteric fever.

AZORES—*St. Michaels.*—Months of August and September, 1908. Estimated population, 131,183. Total number of deaths, 603, including enteric fever 9, scarlet fever 1, diphtheria 1, measles 2, whooping cough 2, and 11 from tuberculosis.

BRAZIL—*Pernambuco.*—Two weeks ended October 31, 1908. Estimated population, 210,000. Total number of deaths, 306, including plague 3, smallpox 24, enteric fever 1, and 53 from tuberculosis.

CHILI—*Punta Arenas.*—Month of October, 1908. Estimated population, 12,000. Total number of deaths, 31, including 2 from tuberculosis.

CUBA—*Sagua la Grande.*—Month ended November 30, 1908. Estimated population, 22,634. Total number of deaths, 26, including 1 from tuberculosis.

DUTCH GUIANA—*Paramaribo.*—Month of November, 1908. Estimated population, 34,870. Total number of deaths, 118. Causes of deaths not reported.

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FRANCE—*Cherbourg.*—Month of November, 1908. Estimated population, 43,948. Total number of deaths, 77, including enteric fever 3, and 14 from tuberculosis.

St. Etienne.—Two weeks ended November 30, 1908. Estimated population, 150,000. Total number of deaths, 133, including enteric fever 4, whooping cough 1, diphtheria 1, and 23 from tuberculosis. Cases: Enteric fever 5, diphtheria 3, and scarlet fever 10.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended December 5, 1908, correspond to an annual rate of 15.6 per 1,000 population, which is estimated at 16,234,952.

London.—One thousand three hundred and eighty-three deaths were registered during the week, including measles 38, scarlet fever 14, diphtheria 13, enteric fever 5, whooping cough 2, tuberculosis 122, and 24 from diarrhea. The deaths from all causes correspond to an annual rate of 15.0 per 1,000. In Greater London 2,001 deaths were registered. In the "outer ring" the deaths included 3 from measles, 1 from scarlet fever, 4 from diphtheria, 8 from whooping cough, and 1 from enteric fever.

Ireland.—The average annual death rate represented by the deaths registered during the week ended December 5, 1908, in the 21 principal town districts of Ireland was 20.3 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Ballymena, viz, 4.8, and the highest in Sligo, viz, 43.2 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended December 5, 1908, correspond to an annual rate of 16.5 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Greenock, viz, 26.9, and the lowest in Perth, viz, 11.9 per 1,000. The aggregate number of deaths registered from all causes was 583, including enteric fever 1, diphtheria 8, scarlet fever 6, measles 5, and 14 from whooping cough.

HAWAII—*Honolulu.*—Month of November, 1908. Census population, 39,306. Total number of deaths, 83, including enteric fever 1, diphtheria 1, and 16 from tuberculosis.

MEXICO—*Matamoros.*—Two months ended December 7, 1908. Estimated population, 8,000. Total number of deaths, 33, including 6 from tuberculosis.

THE NETHERLANDS—*Schiedam.*—Month ended December 5, 1908. Estimated population, 31,193. Total number of deaths, 48, including 2 from tuberculosis.

URUGUAY—*Montevideo.*—Three months ended September 30, 1908. Estimated population, 314,570. Total number of deaths, 1,263, including enteric fever 3, scarlet fever 8, diphtheria 7, measles 2, and 145 from tuberculosis.

WEST INDIES—*Curaçao.*—Month ended December 11, 1908. Estimated population, 30,400. Total number of deaths, 55.

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Cholera, yellow fever, plague, and smallpox, from December 26, 1907, to January 1, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Calcutta	Nov. 1-7		9	
Madras	Nov. 14-20		22	
Negapatam	Oct. 31-Nov. 6		1	
Rangoon	Nov. 8-14		6	
Philippine Islands:				
Manila	Nov. 1-14	46	29	
Provinces—				
Antique	do	60	36	
Bataan	Nov. 1-7	1	1	
Bulacan	Nov. 1-14	22	14	
Capiz	do	257	117	
Cavite	do	31	21	
Cagayan	do	12	9	
Ilocos Norte	do	87	71	
Ilocos Sur	do	82	53	
Iloilo	do	143	74	
La Laguna	do	41	30	
Lyte	do	6	4	
Negros Occidental	do	110	78	
Palawan	do	6	3	
Pampanga	do	2	2	
Rizal	do	57	47	
Samar	do	34	31	
Union	Nov. 1-7	6	4	
Russia				Dec. 1, one case is reported present at Odessa, 1 at Dorpat, and 3 cases at Riga. From 1 to 4 cases are reported weekly from the following places: Poltava, Schuscka, Dnjeprowsk (Simferopol), Alupka, Galitsch (Kostroma), Bijsk, Smeinogorsk, Erivan, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Amolinsk	Nov. 15-21	15	13	
Bakoo	Nov. 22-28	3	2	
Batoom	Nov. 15-21	4	2	
Cronstadt	do	1	1	
Don, territory of	Nov. 15-28	42	19	
Ekaterinislav	do	19	8	
Kerson	Nov. 15-21	1		
Kief	do	3		
Kooban	Nov. 15-28	79	41	
Livonia	Nov. 15-21	2	1	
Olonets	Nov. 21-28	1	1	
Saratov	Nov. 15-28	5	4	
Stavropol	Nov. 15-21	1		
St. Petersburg, government	Nov. 15-28	5	1	
Tambov	do	11	5	
Taurida	do	9	5	
Terek, territory of	do	78	47	
Tiflis	Nov. 15-21	9	4	
Tomsk	Nov. 15-28	64	22	
Tver, district	Nov. 15-21	3		
Yelisavetpol	Nov. 26-28	4	10	
Straits Settlements:				
Singapore	Nov. 8-21		28	

YELLOW FEVER.

Barbados:				
Bridgetown	Dec. 29	2	2	
Brazil:				
Para	Nov. 22-Dec. 12	5	5	
Mexico:				
Itzincal	Dec. 6-12	2	2	
Maxcanú	do	2	1	
Merida	do	3	1	
Veracruz	do	3		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Australia:				
Brisbane	Nov. 1-7	1		
Brazil:				
Rio de Janeiro	Nov. 16-29	18	8	
Chile:				
Iquique	Nov. 22-28	1	1	
China:				
Tientsin	Oct. 18-Nov. 21			Still present.
Tongshan	Nov. 1-14			Present.
Egypt:				
Alexandria	Nov. 22-28	1		
India, general	Nov. 2-21	7,416	5,568	
Mauritius	Oct. 2-15		17	
Peru:				
Callao	Nov. 13-19	2		
Chiclayo	do	3	2	
Eten	do	3	3	
Ferrenafe	do	3	1	
Lima	do	6	3	
Mollendo	do	2	1	
Monsefu	do	2		
San Jose (Lambayeque)	do	1		
San Pedro	do	2	1	
Trujillo	do	6	1	
Siam:				
Bangkok	Sept. 27-Oct. 10	2	1	
Turkey in Asia:				
Bagdad	Nov. 6-10	4	1	

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Aden	Nov. 25-Dec. 7		25	
Brazil:				
Rio de Janeiro	Nov. 16-29	416	200	
Santos	Nov. 1-22		5	
Sao Paulo	Nov. 1-22		13	
Canada:				
Halifax	Dec. 13-19	1		
Toronto	Nov. 8-28	7		
Victoria	Dec. 12	1		
Ceylon:				
Colombo	Nov. 1-7	25	4	
China:				
Amoy	Oct. 11-Nov. 8		2	
Shanghai	Nov. 11-21			Present.
Egypt:				
Cairo	Nov. 19-Dec. 2	5	2	
France:				
Paris	Nov. 22-Dec. 5	6	1	
Greece:				
Athens	Nov. 22-28		2	
India:				
Bombay	Nov. 25-Dec. 1		1	
Calcutta	Nov. 1-7		1	
Italy, general	Nov. 30-Dec. 6	10		
Florence	Nov. 24-30	2		
Polesella	Dec. 1			Epidemic.
Java:				
Batavia	Nov. 1-14	5		
Malta	Nov. 22-28	1		
Norway:				
Christiania	Nov. 22-28	1	1	
Peru:				
Salaverry	Nov. 19-25		1	
Portugal:				
Lisbon	Nov. 30-Dec. 5	1		
Philippine Islands:				
Manila	Nov. 1-14	2	2	
Russia:				
Moscow	Nov. 29-Dec. 5	26	6	
Riga	do	3		
St. Petersburg	Nov. 15-22	7		
Warsaw	Nov. 1-14		5	
Spain:				
Barcelona	Dec. 6-12		3	
Valencia	Nov. 29-Dec. 12	5	1	
Vigo	Nov. 30-Dec. 5		1	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Dec. 5	178,210	46								1			1
Acapulco	Dec. 6	5,000	5											
Aguascalientes	Dec. 13	40,000	36						1					1
Amsterdam	Dec. 5	565,168	139	16						4		1	5	1
Antwerp	Nov. 28	312,571	71	4								1	1	
Bahia	Nov. 6	265,000	115	14	5		1			1				
Do	Nov. 14	265,000	103	13	2			2		1				
Barcelona	Dec. 5	600,000	258	27				3	4	28	1	4	1	1
Basel	Nov. 28	131,000	30	9										
Batavia	Oct. 10	194,000							1					
Belfast	Dec. 5	380,344	119	16						2				
Belgrade	Nov. 28	80,000									3	1		
Bergen	Dec. 5	87,749	28	2								4	6	
Birmingham	do	568,336	156							4	1	2	4	
Bombay	Nov. 24	977,822	561	54	5			1		1			1	1
Bluefields	Dec. 12	2,500	1											
Bordeaux	Nov. 28	258,000	88	8								1	2	1
Do	Dec. 5	258,000	90	10						2		1		
Bristol	do	372,785	85									2		
Brussels	Nov. 28	630,078	156	14							1	1		2
Cardiff	do	191,446	41	4								1		2
Do	Dec. 5	191,446	57	6								2		
Ceiba	do	6,500	4											
Cognac	do	19,483	7										1	
Colon	do	16,000	15	1										
Constantinople	Nov. 29	1,000,000	305	44				2		4		1	3	
Do	Dec. 6	1,000,000	264	39				7		8		5		
Copenhagen	Nov. 21	440,000	126	18						1		1		3
Damascus	do	250,000	47											
Dundee	Dec. 5	168,616	60								1	1		2
Durban	Nov. 14	60,972	14	5										
Dresden	Nov. 28	544,000	132	13						3	2	6		3
East London	Nov. 7	49,253	8											
Do	Nov. 14	49,253	6											
Edinburgh	Dec. 5	350,524	93	11										1
Fiume	Dec. 6	49,500	20	7										
Flushing	Dec. 5	20,257	6											
Frontera	Nov. 21	9,000	8											
Do	Nov. 28	9,000	7											
Geneva	Nov. 21	118,500	31											
Ghent	Nov. 28	165,083	45	3						1	1		3	
Gibraltar	Nov. 29	26,830	10											
Do	Dec. 6	26,830	9											
Glasgow	Dec. 11	859,715	281								3	4	4	8
Gothenburg	Nov. 28	160,500	45	12						1		1		1
Greenock	Dec. 5	71,788	37										1	
Guayaquil	Nov. 21	75,000	39	10	1									1
Do	Nov. 28	75,000	50	5	1		2			1				
Hongkong	Nov. 7	315,616			1									
Hull	Dec. 5	271,137	85										8	
Kingston	Dec. 12	20,373	6											
Lausanne	Nov. 21	56,000	11											
Leeds	Dec. 5	477,107	160	14								1	1	1
Leith	do	84,689	28	3							1	1		
Liverpool	do	753,203	243	24						3	2	2	4	1
London	do	4,795,757	1,383	122						5	14	13	38	2
Lübeck	Nov. 28	96,000	30	2										1
Lyons	do	472,114	197	40								4		
Magdeburg	do	249,780	82	7						1	4	2		1
Manaos	Nov. 21	50,000	36	3										
Do	Nov. 28	50,000	34	4			2							
Manchester	Dec. 5	649,251	225							1	3	6	8	4
Matamoros	Dec. 12	8,000	5											
Mazatlan	Nov. 28	22,000	16											
Messina	Nov. 21	107,000	31							1	1			
Do	Nov. 28	107,000	25	2						1			1	
Monterey	Dec. 13	100,000	50											
Montreal	Dec. 12	378,856	116	11						3	1	1	4	
Moscow	Nov. 28	1,335,104	636	77				3	9	3	20	16	3	6
Nantes	Dec. 6	133,247	54	8										
Newcastle-on-Tyne	Dec. 5	272,961	118								1			
Nottingham	Nov. 28	260,000	98							1			3	2

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Nuevo Laredo	Dec. 12	8,000	3	1										
Ottawa	...do	80,200	17											
Patras	Nov. 30	40,000	21	1						1	2	3		
Para	Nov. 28	185,000	82	6			1							
Paris	...do	2,776,394	887	173						8	3	3	1	5
Do	Dec. 5	2,776,394	912	203				1		5		6	3	4
Penang	Oct. 31	101,469	99	15						1				
Do	Nov. 7	101,469	87	16								1		
Do	Nov. 14	101,469	96	10										
Plymouth	Dec. 5	122,113	27									2		
Port Elizabeth	Nov. 7	32,959	10	2										1
Do	Nov. 14	32,959	15	3						1				
Prague	Nov. 28	229,571	129	17						4	3			
Queenstown	Dec. 5	7,684	3											
Rangoon	Nov. 14	252,155	168	7		6								
Rio de Janeiro	Nov. 15	811,443	456	79	3			141		1		1	5	
Rotterdam	Dec. 5	410,408	97								3	1		
St. Petersburg	Nov. 14	1,678,000	666	120		43		4		14	14	17	10	8
San Feliu de Guixols	Dec. 5	11,094	6											
Santa Cruz de Teneriffe	Nov. 28	46,000	15	2										
Sheffield	...do	440,000	155	15						1		2	8	
Do	Dec. 5	440,000	146	23									14	1
Southampton	...do	122,196	26	2									1	
South Shields	...do	115,535	24	3							1			
Stettin	Nov. 28	230,000	100	11								2	1	
Turin	Nov. 22	373,701	119	13						1		1		
Do	Nov. 29	373,701	137	18						1		1		
Venice	Oct. 3	176,815	54	4						4				1
Do	Oct. 10	176,815	55	7								2		
Do	Oct. 17	176,815	49	8						1	1	1		
Do	Oct. 24	176,815	77	7								3		
Do	Oct. 31	176,815	63	9								1	2	1
Do	Nov. 7	176,815	70	6								4	2	
Do	Nov. 14	176,815	74	9								1	1	1
Do	Nov. 21	176,815	102	8						1		4		1
Veracruz	Dec. 12	33,000	39				1							
Vevey	Nov. 21	14,000	3											
Vienna	Nov. 28	2,042,426	636	88						2	3	12	10	4
Vigo	...do	40,000	20	2									1	
West Hartlepool	Dec. 5	66,750	22											
Winnipeg	Dec. 12	118,000	22											
Zurich	Dec. 5	180,000	50	7								2		

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

INTERNATIONAL OFFICE OF PUBLIC HYGIENE—ITS INAUGURATION AT PARIS, FRANCE.

By Passed Asst. Surg. S. B. Grubbs, Public Health and Marine-Hospital Service, representative of the United States on the International Committee.

The International Bureau of Public Hygiene was formally inaugurated at Paris November 10, 1908, and the newly elected director, Mr. Jacques de Cazotte, and Secretary-General Doctor Potevin were installed in office by the committee, composed of one representative from each of the countries which have agreed to support the newly created bureau.

The idea of having a central and international office for the purpose of gathering and distributing information concerning the graver epidemic diseases, especially cholera, plague, and yellow fever, was first presented for consideration at the international sanitary convention of Paris, in 1903, although it had been advocated for some time previously by many sanitarians, notably the late Professor Proust, of Paris. At the request of the convention of 1903, the French Government undertook the task of presenting to the nations interested propositions regarding the organization of such a bureau. These propositions were submitted in a final form in August, 1907, and a conference was invited by the Government of the French Republic, at the instance of the Government of the Kingdom of Italy. This conference was held at Rome, December 3, 1907, the delegates being empowered to sign, ad referendum, such formal arrangement as might be adopted.

The following governments were represented: Belgium, Brazil, British India, Egypt, France, Great Britain, Holland, Italy, Portugal, Roumania, Russia, Spain, Switzerland, and the United States—the delegates from the latter being Passed Asst. Surg. A. J. McLaughlin, of the Public Health and Marine-Hospital Service, and Mr. R. S. Reynolds Hitt, first secretary of the embassy at Rome.

After due consideration and some modification of the original text, the arrangement and organic statutes were, on December 9, 1907, signed by all the delegates, with the exception of the representative from Roumania, and were ratified by the President of the United States, by and with the advice of the Senate, on February 15, 1908.

The arrangement signed at Rome is as follows:

The governments of Belgium, Brazil, Spain, the United States, the French Republic, Great Britain and Ireland, Italy, the Netherlands, Portugal, Roumania, Russia, Switzerland, and the Government of His Highness the Khedive of Egypt, having judged it useful to organize the International Office of Public Hygiene contemplated in the sanitary

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convention of Paris, under date of December 3, 1903, have resolved to conclude an arrangement to this effect, and have agreed as follows:

ARRANGEMENTS.

ARTICLE 1. The high contracting parties engage to found and maintain an international office of public hygiene, of which the seat shall be in Paris.

ART. 2. The office operates under the authority and control of a committee formed of the delegates of the contracting governments. The composition and attributions of this committee, as well as the organization and the powers of the said office, are determined by the organic statutes which are annexed to the present arrangement, and which are considered as forming an integral part of it.

ART. 3. The cost of installations, as well as the annual expense of operating and maintaining the office, are covered by the contributions of the contracting states as established by the conditions proposed by the organic statutes contemplated in article 2.

ART. 4. The amounts representing the contributive part of each of the contracting states are paid over by these latter at the commencement of each year, through the intermediary of the ministry of foreign affairs, into the government deposit and consignment office, from which they shall be drawn out as needed, on order of the director of the office.

ART. 5. The high contracting parties reserve the right of applying to the present arrangement, by common accord, such modifications as experience shall demonstrate to be useful.

ART. 6. The governments which have not signed the present arrangement are admitted to adhere to it on their request. This adhesion shall be notified through diplomatic channels to the Royal Government of Italy, and by it to the other contracting governments. It will include the obligations to participate in the expense of the office, under the conditions contemplated by article 3.

ART. 7. The present arrangement shall be ratified and the ratifications shall be deposited at Rome as soon as possible. It shall be put in execution from the date at which the deposit of the ratifications shall have been effected.

ART. 8. The present arrangement is concluded for a period of seven years. At the expiration of this term it will continue in force for new periods of seven years among the states which shall not have notified, one year before the expiration of each period, the intention to cause it to go out of effect as far as they are concerned.

ORGANIC STATUTES.

The following are the organic statutes of the bureau:

ARTICLE 1. There is instituted at Paris an international office of public hygiene, amenable to the states which agree to take part in its operation.

ART. 2. The office can not, in any way, concern itself in the administration of the several states.

It is independent of the authorities of the country in which it is placed.

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It corresponds directly with the superior authorities of hygiene of the several countries and with the sanitary councils.[a]

ART. 3. The Government of the French Republic will take, on request of the international committee contemplated by article 6, the necessary measures to cause the office to be recognized as an establishment of public utility.

ART. 4. The principal object of the office is to collect and bring to the knowledge of the participating states facts and documents of a general character interesting to public health, especially as concerns infectious diseases—notably cholera, plague, and yellow fever—as well as the measures taken to combat these diseases.

Article 2 of the organic statutes also authorizes the establishment of relations between the International Sanitary Bureau at Washington and the International Bureau of Public Hygiene at Paris. This relationship was brought about at the international sanitary convention held at Rome December 9 to 14, 1907, when Passed Asst. Surg. A. J. McLaughlin, delegate on behalf of the United States, presented to the above-mentioned convention the following resolution adopted by the Third International Conference of American States at Rio de Janeiro in 1906:

Recommending the establishment of relations between the International Sanitary Bureau now existing in Washington and the Bureau Sanitaire International of Paris in order to obtain the best information on sanitary subjects and to reach agreements that will facilitate the objects with which both offices are established.

The conference at Rome expressed through its president unanimous approval of the sentiment embodied in this resolution. The president consulted the conference and replied in its name that there was no doubt that article 2 of the organic statutes authorized direct communication between the two international sanitary bureaus, which would be the fulfillment of the desire expressed in article 3 of the Rio conference.

ART. 5. The governments inform the office of the measures which they will take to insure the application of international sanitary conventions. The office suggests the modifications which it may be advantageous to apply to the terms of these conventions.

ART. 6. The office is placed under the authority and control of an international committee which is composed of technical representatives designated by the participating states at the rate of one representative for each state.

There is assigned to each state a number of votes inversely proportioned to the number in the category to which it belongs as concerns its share in the expense of the office. (See article 2.)

ART. 7. The office committee meets periodically at least once a year. The duration of the sessions is not limited.

The members of the committee elect, by secret ballot, a president, whose term of office has a duration of three years.

ART. 8. The operation of the office is assured by a paid personnel, comprising a director, a secretary-general, and the necessary agents for the business of the office.

The personnel of the office shall not fill any other paid function.

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[a] It is understood that the term "sanitary councils" applies to the councils of Alexandria, Constantinople, Tangier, Teheran, and to all other councils which may be charged with the application of international sanitary conventions.

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The director and the secretary-general are named by the committee.

The director assists at the meetings of the committee, with a consultative vote.

The nomination and revocation of employees of all grades belong to the director, who renders an account thereof to the committee.

ART. 9. The information collected by the office is brought to the knowledge of the participating states by means of a bulletin or by special communications addressed to them by the office, or on demand.

The office, in addition, makes a statement periodically of the results of its activity in special reports, which are communicated to the participating governments.

ART. 10. The bulletin, which appears at least once a month, comprises chiefly:

1. The laws and regulations, general or local, promulgated in the several countries concerning transmissible diseases.
2. Information concerning the progress of infectious diseases.
3. Information concerning work carried out or measures taken for the sanitation of localities.
4. Statistics relative to public health.
5. Bibliographical notes.

The official language of the office and the bulletin shall be French. The committee may decide that parts of the bulletin shall be published in other languages.

ART. 11. The expenses necessary for the operation of the office, estimated at 150,000 francs per annum, are covered by the States signatory to the convention, the contributions of which are fixed according to the following categories:

First category—Brazil, Spain, United States, Great Britain, British India, Italy, Russia, at the rate of 25 units.

Second category—At the rate of 20 units.

Third category—Belgium, Egypt, and Netherlands, at the rate of 15 units.

Fourth category—Switzerland, at the rate of 10 units.

Fifth category—At the rate of 5 units.

Sixth category—At the rate of 3 units.

This sum of 150,000 francs can not be exceeded without the consent of the signatory powers.

It is allowable to any state to enroll itself ultimately in a superior category.

The states which shall ultimately adhere to the convention will choose the category in which they desire to enroll themselves.

ART. 12. There is levied on the annual receipts a sum destined to constitute a reserve fund. The total of this reserve, which can not exceed the amount of the annual budget, is placed in the state funds of the first order.

ART. 13. The members of the committee shall receive from the fund appropriated to the operation of the office an indemnity for the cost of change of place. They shall receive, moreover, a fee for each of the sessions at which they assist.

ART. 14. The committee fixes the sum to be levied annually on its budget for contribution to secure a pension on retirement for the personnel of the office.

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ART. 15. The committee establishes its annual budget and approves the report of expenses. It controls the organic regulation of the personnel, as well as all measures necessary for the operation of the office.

The said regulation and measures are communicated by the committee to the participating states and can not be modified without their consent.

ART. 16. A statement of the administration of the funds of the office is presented annually to the participating states after the close of the exercises.

The committee that convened at the ministry of foreign affairs, in Paris, on November 4, 1908, represented the last step of the preparatory stage of the undertaking, or rather the beginning of its permanent form. It was composed of one representative from each of the contracting powers whose governments had ratified the above arrangement. Its duty was to actually create the bureau, draw up its regulations, provide for its expenses, and direct its first operations.

The members of this committee were: For Belgium, Mr. Oscar Velghe, director-general of the Belgian sanitary service; for Egypt, Dr. Marc Armand Ruffer, director of the Alexandria sanitary board; for France, Mr. Camille Barrere, French ambassador at Rome; for Great Britain, Dr. Theodore Thomson, local government board, London; for India, Sir Benjamin Franklin, surgeon-general (retired) India medical service; for Italy, Dr. Rocco Santoliquido, director of the Italian sanitary service; for Russia, Doctor Freyburg, imperial sanitary board; for Servia, Doctor Petrovitch; for Spain, Dr. F. Murillo, assistant director of the Spanish Institute of Hygiene; for Switzerland, Dr. F. Schmid, director of the Swiss sanitary council; for Tunis, Mr. George Harismendy, French consul of the first class; for the United States, Dr. S. B. Grubbs, United States Public Health and Marine-Hospital Service.

After the details of the office and its work had been considered and agreed upon, using the organic statutes as a basis, the most important matter was the choice of a director, as the ultimate success of the bureau must largely depend upon his ability and industry. It was decided that the position should not be restricted to medical men, as the diplomatic side of the director's duties will be quite as important as the scientific side. After considerable deliberation and discussion Mr. Jacques de Cazotte, minister plenipotentiary of the French diplomatic corps, was chosen. Mr. de Cazotte has served in many countries, speaks several languages fluently, and during many years of service in the department of foreign affairs has been the authority on the diplomatic and statistical sides of international sanitary matters.

To the office next in importance, viz., secretary-general, there was chosen Doctor Potevin, for several years the chief sanitary officer of the city of Havre, France. The installation and active work of the bureau were begun at once. Direct means of communication with all the sanitary bureaus of the world that agree to cooperate are to be established, and by these means and in all possible ways information of statistical, scientific, or practical interest regarding the greater epidemic diseases is to be gathered and information supplied to the governments that support the bureau.

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In sanitary matters, probably as much as in any branch of governmental activity, early and accurate information is essential to good administration, and it is believed the International Office of Public Hygiene will be able to supply this information more economically, promptly, and in a more satisfactory form than could be done by the individual state.

As is customary in practically all European countries, a liberal retirement privilege and pensions have been provided for the personnel of this bureau, so that the undivided efforts of their best years may be given to the work without fear for the future.

The men chosen for director and secretary-general are distinguished in their callings, are full of zeal for the work, and will have the earnest support of the French Government, which has promised not only to officially recognize the bureau, but to give it permanent offices in the Department of Labor.

It is believed that the full exchange of ideas that will take place at the semiannual gathering of the governing committee, composed as it is of men of the highest authority and influence, will have a beneficial effect upon the march of international sanitation, and that as a central clearing house of sanitary information the bureau will become of the highest importance, both in the quarantine and the internal sanitary administration of the various countries of the world.

The foundations of the International Office of Public Hygiene have been laid as for an institution that is to be permanent. In organization it resembles the permanent International Postal Bureau and the Bureau of Weights and Measures, but in the field of sanitation it is original, being the result of long and persevering collaboration by men who believe that the greatest international publicity in sanitary matters is the first and most important step toward perfect sanitary control.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Week ended December 26.

Date of last case	Sickened January 30, 1908
Sick inspected	6
Plague	0
Dead inspected	121
Plague	0
Premises inspected	9,586
Houses disinfected	13
Nuisances abated	785

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Rats found dead	61
Rats trapped	1,856
Total rats taken	1,917
Rats identified:	
Mus norvegicus	1,228
Mus rattus	65
Mus musculus	585
Total	1,878
Rats identified as to sex	1,233
Male	476
Female	757
Rats examined bacteriologically	1,145
Plague rats	0
Poisons placed	80,870

OAKLAND, CAL.

Week ended December 19.

Dead inspected	17
Plague	0
Rats trapped	574
Rats examined bacteriologically	557
Plague rats	0
Mice trapped	63
Mice examined bacteriologically	63
Plague mice	0
Necropsies held	4

POINT RICHMOND, CAL.

Week ended December 19.

Sick inspected	2
Plague	0
Dead inspected	4
Plague	0
Premises inspected	490
Nuisances abated	26
Rats found dead	20
Rats trapped	44
Rats examined bacteriologically	40
Plague rats	0
Poisons placed	14,000

ALAMEDA COUNTY, CAL.

Week ended December 19.

Sick inspected	11
Plague	0
Dead inspected	48
Plague	0
Necropsies held	4

CONTRA COSTA COUNTY, CAL.

Week ended December 19.

Dead inspected	1
Plague	0

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Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson, plague laboratory, reports December 28:

Animals examined in the laboratory at Los Angeles, Cal., from December 14 to 20, inclusive.

Ground squirrels	193
Gray rats	274
Black rats	21
Gambel pocket mouse	2
Rabbits	3
White rats	2

None of these animals were found to be infected with plague.

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, December 28:

SEATTLE, WASH.

Week ended December 26.

Date of finding of last plague rat	September 26, 1908
Rats received	1,033
Rats necropsied	1,027
Plague rats found	0
Plague-infected rats to date	21
Vessels inspected	15
Vessels fumigated	3

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

COLORADO—*Colorado Springs.*—Month of October, 1908. Estimated population, 32,000. Total number of deaths, 42, including enteric fever 2, and 12 from tuberculosis. Cases: Scarlet fever 6, diphtheria 1, and enteric fever 9. Month of November, 1908. Total number of deaths, 38, including enteric fever 1, and 16 from tuberculosis. Cases: Scarlet fever 3, diphtheria 1, enteric fever 8, measles 1, and whooping cough 2.

KANSAS.—Month of December, 1908. Estimated population, 1,470,495. Total number of deaths from contagious and infectious diseases, 120. Causes of death: Tuberculosis 53, enteric fever 20, diphtheria 38, scarlet fever 9. Cases: Tuberculosis 88, enteric fever 73, diphtheria 309, scarlet fever 287, smallpox 291, and measles 14.

MICHIGAN.—Month of November, 1908. Estimated population, 2,611,792. Total number of deaths returned to the State Department for the month was 2,742, including enteric fever 96, diphtheria 32, scarlet fever 10, measles 12, whooping cough 14, and 203 from tuber-

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culosis. The total number of deaths from all causes corresponds to an annual rate of 12.3 per 1,000 estimated population.

MINNESOTA—*Minneapolis.*—Month of November, 1908. Estimated population, 300,000. Total number of deaths, 223, including diphtheria 14, enteric fever 2, scarlet fever 1, and 27 from tuberculosis. Cases: Diphtheria 180, enteric fever 5, scarlet fever 33, smallpox 8, and tuberculosis 13.

MISSOURI—*Springfield.*—Month of November, 1908. Estimated population, 35,000. Total number of deaths, 20, including 2 from tuberculosis. Cases: Smallpox 1, scarlet fever 14, diphtheria 7.

NEBRASKA—*Lincoln.*—Month of November, 1908. Estimated population, 60,000. Total number of deaths, 49, including diphtheria 1, and 4 from tuberculosis. Cases: Diphtheria 13, scarlet fever 2, and smallpox 3.

NEW YORK—*Troy.*—Month of November, 1908. Estimated population, 77,650. Total number of deaths, 112, including diphtheria 2, enteric fever 3, and 15 from tuberculosis. Cases: Enteric fever 2, diphtheria 17, scarlet fever 2, whooping cough 1, and 18 from tuberculosis.

OREGON—*Portland.*—Month of November, 1908. Estimated population, 175,000. Total number of deaths, 157, including enteric fever 1, diphtheria 3, and 6 from tuberculosis. Cases: Diphtheria 36, enteric fever 24, measles 7, smallpox 29, whooping cough 2, and scarlet fever 18.

TEXAS—*San Antonio.*—Month of November, 1908. Estimated population, 100,000. Total number of deaths, 97, including enteric fever 3, and 22 from tuberculosis. Cases: Enteric fever 6, diphtheria 11, smallpox 2, and scarlet fever 5.

UTAH.—Month of November, 1908. Reports to the state board of health from 27 counties, having an estimated population of 346,873, show as follows: Total number of deaths, 321, including diphtheria 4, enteric fever 15, whooping cough 1, scarlet fever 2, and 11 from tuberculosis. Cases: Diphtheria 54, enteric fever 73, measles 37, scarlet fever 65, smallpox 43, whooping cough 97, and tuberculosis 15 (incomplete).

VIRGINIA—*Richmond.*—Month of November, 1908. Estimated population, 107,844. Total number of deaths, 173, including diphtheria 1, enteric fever 3, whooping cough 1, and 17 from tuberculosis. Cases: Diphtheria 42, enteric fever 24, measles 2, scarlet fever 3, and whooping cough 4.

WISCONSIN—*Milwaukee.*—Month of November, 1908. Estimated population, 360,000. Total number of deaths, 286, including enteric fever 2, measles 1, scarlet fever 5, diphtheria 11, and 27 from tuberculosis. Cases: Smallpox 6, tuberculosis 56, diphtheria 79, scarlet fever 87, enteric fever 42, and measles 64.

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Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to January 8, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Arkansas:				
Texarkana	Nov. 26–Dec. 18	3		
Total for State		3		
California, general	Nov. 1–30		2	
Los Angeles	Dec. 6–26	2		
San Francisco	Dec. 13–26	9		
Stockton	Nov. 1–30	12		
Total for State		23	2	
Illinois:				
Belleville	Dec. 4–20	3		
Peoria	Dec. 20–26	4		
Total for State		7		
Indiana:				
Carroll County	Oct. 1–31	26		
Clay County	Oct. 1–31	8		
Dearborn County	Oct. 1–31	1		
Elkhart County	Oct. 1–31	1		
Lafayette	Dec. 22–28	7		
Madison County	Oct. 1–31	1		
Sullivan County	Oct. 1–31	2		
Tippecanoe County	Oct. 1–31	4		
La Fayette	Dec. 15–21	1	1	
Vigo County	Oct. 1–31	1		
Total for State		52	1	
Kansas:				
Topeka	Dec. 13–26	13		
Wichita	Dec. 20–26	1		
Total for State		14		
Kentucky:				
Covington	Dec. 29–Jan. 2	2		
Total for State		2		
Louisiana:				
New Orleans	Dec. 20–26	1		
Total for State		1		
Maine:				
Canadian border	Dec. 19–26			17 cases under supervision.
Minnesota:				
Minneapolis	Nov. 1–30	8		
Total for State		8		
Mississippi:				
De Soto County	Nov. 1–Dec. 22	135		
Total for State		135		
Missouri:				
St. Louis	Dec. 20–26	2		
Springfield	Nov. 1–30	1		
Total for State		3		
Montana:				
Butte	Dec. 2–15	6		
Total for State		6		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Nebraska:				
Lincoln	Nov. 1-30	3		
South Omaha	Dec. 20-26	1		
Total for State		4		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		8		
Ohio:				
Cincinnati	Dec. 12-Jan. 2	25		
Total for State		25		
Pennsylvania:				
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 19-25	1		
Pittsburg	Dec. 13-19	1		Imported.
Total for State		2		
Tennessee:				
Nashville	Dec. 20-26	1		
Total for State		1		
Texas:				
Cost	Oct. 1-Dec. 19			Present.
Laredo	Dec. 26	2		
Monthalia	Oct. 1-Dec. 19			Do
Oak Forest	Oct. 1-Dec. 19			Do.
San Antonio	Dec. 13-26	5		
Total for State		7		
Utah:				
Davis County	Nov. 1-30	5		
Weber County	Nov. 1-30	1		
Total for State		6		
Washington:				
Spokane	Dec. 6-12	1		
Total for State		1		
Wisconsin:				
La Crosse	Dec. 13-26	4		
Manitowoc	Dec. 13-19	4		
Milwaukee	Dec. 6-19	2		
Total for State		10		
Grand total for the United States		316	3	

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Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Dec. 26	38,973	10					2		2					
Ann Arbor, Mich	Dec. 19	14,509	5												
Do	Dec. 26	14,509	6												
Baltimore, Md	do	508,957	152	4	21	11	2	11		32	1	28	2	1	1
Bayonne, N. J	do	32,722	3					2		2		18			
Berkeley, Cal	Dec. 19	13,214	8	3		1				1					
Biddeford, Me	Dec. 26	16,145	6												
Binghamton, N.Y.	do	38,647	12		1										
Boston, Mass	do	560,892	215	47	19	26	2	46	4	77	1	29	1	17	1
Braddock, Pa	do	15,654	5			1		1							
Bradford, Pa	do	15,029	7												
Brockton, Mass	do	40,063	12		3							1			
Cambridge, Mass	do	91,886	27	5	1	1	1	12		6	3	3		2	1
Camden, N. J	do	75,935	35					5		11	2	6			
Camden, S. C	do	2,441				1				1					
Carbondale, Pa	do	13,536	5							6		1			
Chelsea, Mass	do	34,072	8	1	1									2	1
Chicago, Ill	do	1,698,575	482	65	57	41	4	158	14	187	14	89	3	11	2
Chicopee, Mass	do	19,167	3		1		1				2		1		
Cleveland, Ohio	Dec. 25	381,768	115	25	17	10	2	21		37	3	3	1	11	
Clinton, Mass	Dec. 26	13,667	1												
Columbus, Ga	do	17,614	3												
Covington, Ky	do	42,938	13		1										
Danville, Ill	Dec. 27	16,534	7					2		2		1			
Dayton, Ohio	Dec. 26	85,333	28		2					1					
Detroit, Mich	do	285,704	119					9	1	17	2				
Dunkirk, N. Y	do	11,616	2					1							
Elkhart, Ind	do	15,184	6												
Elmira, N. Y	do	35,672					1	4		1					
Erie, Pa	do	52,733	15	5	2	3	1	15	1	3		1			
Evansville, Ind	do	59,007	26	2	3	2	2			4	1				
Everett, Mass	do	24,336	10					4	1						
Fall River, Mass	do	104,863	42	1	1	1		1		1	1	1		3	
Findlay, Ohio	do	17,613	1												
Fort Wayne, Ind	do	45,115	18	1	1	2	2	2		1	1				
Galesburg, Ill	do	18,607	8							3					
Galveston, Tex	Dec. 25	37,789	10			1				1					
Glens Falls, N. Y	Dec. 26	13,543	3		1			1							
G'd Rapids, Mich	do	87,565	27	3	2	1	1	16		3				3	
Greensboro, N. C	do	10,035	5		1	1				1					
Harrison, N. J	do	10,596	4	1	1					1					
Hartford, Conn	Dec. 26	79,850	27	3	1					3		1		4	1
Do	Dec. 27	79,850	26	1	2	3	1	1		6		1		1	1
Hoboken, N. J	Dec. 26	59,364						2	1	1		4			
Indianapolis, Ind	Dec. 27	169,164	49		2	2	1	1		13		9			
Jacksonville, Fla	Dec. 26	28,429	17		1					6					
Jersey City, N. J	Dec. 27	206,433	92	1	12			22	4	19	3	119		2	
Johnstown, Pa	Dec. 26	35,936	8		1	14		6		4		5			
Kalamazoo, Mich	Dec. 19	24,404	5			1	2								
Do	Dec. 26	24,404	11									1		2	
Kansas City, Kans	do	51,418	16		1	6	2	1		3					
Kearny, N. J	do	10,896	6					5							
Kingston, N. Y	do	24,535	7												
Knoxville, Tenn	do	32,637			1	1		3				9		1	
La Fayette, Ind	Dec. 28	18,116	6							2	1	1			
Lancaster, Pa	Dec. 26	41,459	16		1	1		4		1	1			10	
Lawrence, Mass	do	62,559	23	1		2		1		4	2	34	1	4	
Lexington, Ky	do	26,369	8		1					5					
Los Angeles, Cal	Dec. 19	102,479	75	6	16	3	2	8		3		1			
Lowell, Mass	Dec. 26	94,969	20	3	3	4		1		8	1	2			
Lynchburg, Va	do	18,891		1			1	1						1	
Lynn, Mass	do	68,513	12		1			1	1	6					
Malden, Mass	do	33,664	16					2	1	4	1	1			
Manchester, N. H	do	56,987	20	3	3			1		20					
Manitowoc, Wis	do	11,786	3							7	1	7		4	
Mansfield, Ohio	do	17,640						1		1					
Marinette, Wis	do	16,195	2			1									
Marlboro, Mass	do	13,609	5												
Massillon, Ohio	do	11,914	2												
Medford, Mass	do	18,244	2					4		1					
Melrose, Mass	Dec. 19	12,962	6					3							
Do	Dec. 26	12,962	3					1							

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Milwaukee, Wis.	Dec. 12	285,315	82	13	9	7	2	21	2	21	4	27	4	3	....
Do	Dec. 19	285,315	69	16	7	12	1	19	....	16	1	18	1	....	....
Do	Dec. 26	285,315	81	16	7	7	4	18	1	21	2	32	1	....	....
Mobile, Ala.	Dec. 19	38,469	24	....	1	....	....	2	....	1	....	....	....	....	....
Montclair, N. J.	Dec. 26	13,962	3	....	....	....	....	2	....	....	....	....	....	....	....
Montgomery, Ala.	Dec. 25	30,346	13	....	2	....	....	....	....	....	....	....	....	....	1
Moline, Ill.	Dec. 20	17,248	5	....	....	....	....	3	....	3	1	1	....	....	....
Do	Dec. 27	17,248	6	....	2	....	....	1	....	....	....	....	....	....	....
Morristown, N. J.	Dec. 26	13,000	2	....	....	....	....	1	....	....	....	....	....	....	....
Mt. Vernon, N. Y.	...do....	21,228	7	1	....	....	....	....	....	....	....	13	1	....	....
Nanticoke, Pa.	Dec. 27	12,616	2	....	1	1	....	....	1	....	....	....	....	....	....
Nashville, Tenn.	Dec. 26	80,865	32	4	4	....	....	1	....	5	2	....	....	....	....
Newark, N. J.	...do....	246,070	....	....	15	1	....	29	2	19	1	....	....	....	....
New Bedford, Mass	...do....	63,442	25	2	2	1	....	....	....	2	....	1	....	3	2
Newburyport, Mass	...do....	14,478	5	....	....	....	....	....	....	....	1	....	....	....	....
Newton, Mass	...do....	33,587	14	3	2	....	....	7	....	11	1	....	....	....	....
New York, N. Y.	...do....	3,437,202	1,278	384	135	41	2	281	17	393	37	369	12	28	3
Niagara Falls, N. Y.	...do....	19,457	11	1	1	11	1	....	....	1	....	....	....	....	....
Norristown, Pa.	...do....	22,268	5	....	....	....	....	1	....	1	....	....	....	....	....
North Adams, Mass	...do....	24,200	5	....	....	2	....	....	....	2	....	....	....	1	....
Northampton, Mass	...do....	18,643	9	....	....	....	....	....	....	....	....	4	....	....	....
Oneonta, N. Y.	...do....	7,147	4	....	....	1	....	2	....	....	....	....	....	....	....
Orange, N. J.	...do....	24,141	9	1	1	....	....	4	....	2	....	....	....	....	....
Ottumwa, Iowa	...do....	18,197	11	....	....	....	....	....	....	2	2	....	....	....	....
Philadelphia, Pa.	Dec. 19	1,293,697	464	115	60	30	5	67	2	111	17	80	1	8	4
Pittsburg, Pa.	...do....	321,616	144	19	10	31	6	35	3	19	3	21	1	18	....
Plainfield, N. J.	Dec. 26	15,369	2	1	....	....	....	....	....	....	....	....	....	....	....
Providence, R. I.	...do....	175,597	50	6	5	3	2	1	....	18	3	....	....	....	....
Racine, Wis.	...do....	29,102	6	....	....	....	....	2	....	....	....	....	....	....	....
Reading, Pa.	Dec. 28	78,961	26	2	1	8	1	6	....	4	....	....	....	....	....
Richmond, Va.	Dec. 19	85,050	42	4	7	3	....	....	....	2	....	....	....	3	....
Do	Dec. 26	85,050	48	6	10	1	....	....	....	3	....	....	....	....	....
Saginaw, Mich.	Dec. 19	42,345	15	3	3	2	....	4	....	5	....	....	....	....	....
Do	Dec. 26	42,345	9	....	....	....	....	....	....	....	....	....	....	....	....
San Antonio, Tex.	...do....	53,321	....	....	....	2	....	....	....	2	....	....	....	....	....
Sandusky, Ohio	Nov. 21	19,664	14	....	....	15	2	....	....	1	1	....	....	....	....
Do	Nov. 28	19,664	9	....	....	23	2	....	....	....	....	....	....	....	....
Do	Dec. 5	19,664	7	....	....	10	2	....	....	1	....	....	....	....	....
Do	Dec. 12	19,664	6	....	....	4	....	....	....	....	....	....	....	....	....
Somerville, Mass.	Dec. 26	61,643	15	4	2	....	....	12	....	17	1	....	....	....	....
South Bend, Ind.	...do....	35,999	7	1	1	....	....	....	....	....	....	....	....	....	....
South Omaha, Nebr.	Dec. 5	26,001	....	....	....	1	....	....	....	....	....	....	....	....	....
Do	Dec. 12	26,001	....	....	....	....	....	....	....	2	....	....	....	....	....
Spokane, Wash.	Dec. 19	38,848	12	....	2	....	1	8	....	8	1	3	....	....	....
Springfield, Ill.	Dec. 24	34,159	10	....	....	....	....	....	....	1	....	....	....	....	....
Springfield, Mass.	Dec. 26	62,059	29	....	2	....	....	6	....	9	1	2	....	....	....
Springfield, Ohio	...do....	38,253	5	5	1	....	....	....	....	....	....	....	....	....	....
Steelton, Pa.	...do....	12,068	3	....	....	....	....	....	....	....	....	....	....	2	....
Taunton, Mass.	...do....	31,036	14	....	2	2	1	....	....	....	....	....	....	8	2
Tiffin, Ohio	Dec. 12	10,898	....	....	....	....	....	17	....	....	....	....	....	....	....
Do	Dec. 19	10,898	....	....	....	....	....	1	....	....	....	....	....	....	....
Do	Dec. 26	10,898	....	....	....	....	....	1	....	....	....	....	....	....	....
Titusville, Pa.	...do....	8,244	4	....	....	....	....	4	....	....	....	....	....	....	....
Toledo, Ohio	Dec. 12	131,822	46	....	4	12	2	3	1	13	2	1	....	....	....
Do	Dec. 19	131,822	36	....	2	3	....	2	....	10	4	....	....	....	....
Do	Dec. 26	131,822	24	....	1	2	3	3	....	5	....	....	....	....	....
Topeka, Kans.	...do....	33,608	14	....	....	....	....	....	....	1	....	....	....	....	1
Waltham, Mass.	...do....	23,481	9	....	....	....	....	3	1	5	1	1	....	....	....
Warren, Pa.	Dec. 20	8,043	2	....	....	....	....	3	....	....	....	....	....	....	....
Wheeling, W. Va.	Dec. 26	38,878	12	....	....	....	....	....	....	4	....	....	....	....	....
Wichita, Kans.	...do....	24,671	....	....	....	....	....	3	....	3	....	....	....	....	....
Wilkinsburg, Pa.	Dec. 28	13,000	3	....	....	1	....	3	....	1	....	....	....	....	....
Williamsport, Pa.	Dec. 26	28,757	6	....	....	....	....	1	....	1	....	....	....	1	....
Wilmington, Del.	...do....	76,508	19	....	5	....	....	....	....	....	2	....	....	....	....
Woburn, Mass.	...do....	14,254	6	....	....	....	....	2	....	1	....	....	....	....	....
Worcester, Mass.	...do....	118,421	45	6	6	1	....	8	....	10	....	1	....	....	....

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, December 9 and 16, 1908.]

CHOLERA.

NETHERLANDS.—November 26. Order of November 6 declaring Archangel cholera infected, suspended. Prohibition of importation and transshipment of rags and used and soiled body and bed clothing from Archangel suspended from November 27.

NORWAY.—December 6. Province of Wiborg, in Finland and the cities of Odessa, Riga, and Archangel, declared free from cholera.

RUSSIA.—November 22. The government of Astrakhan, the city of Samara, the districts of Samara, Novosensk, Bugulma, Buguruslan, and Stavropol; the governments of Simbirsk, Nishni-Novgorod, Jaroslav, Ufa, Pensa, Voronesch, Orel, Poltava, Kovno, Tobolsk; the districts of Nischnevdinsk, Bagalansk, Irkutsch, and Vercholensk in the government of Irkutsch; the provinces of Daghestan, Samarkand, and Semipalatinsk; the district of Myngyschlak, in the Transcaspian territory; the capital city of Rostov, on the Don; the Volga, from Astrakhan to Tver; the Ladoga canals, and the Marien canal system are declared free from cholera.

SWEDEN.—November 28. The governments of Nishni-Novgorod, Astrakhan, and Archangel are declared free from cholera.

PLAGUE.

AUSTRIA.—November 24. The maritime authorities of Trieste declared arrivals from São Luiz de Maranhao, Brazil, subject to requirements of circular of August 12, 1904.

MALTA.—December 4. Alexandria no longer considered plague infected.

DUTCH GUIANA.—November 11. Quarantine against arrivals from Trinidad suspended.

SWEDEN.—November 28. The Chinese ports of Tientsin, Tongfu, Taku, and Chinwangtao declared free from plague.

TURKEY.—November 26. Arrivals from Alexandria subject to médical inspection in the first Turkish port provided with a sanitary official.

ALGERIA.

Deratization at Algiers.

The following is taken from the Bulletin Bimensuelle, Algiers, November 30:

November 15–30: Rodents taken by the maritime sanitary service, 479; examined by the laboratory of health, 75; result negative. Classification of rats: *Mus norvegicus*, 310; *rattus*, 149; *alexandrinus*, 2; *musculus*, 18.

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CHINA.

Reports from Shanghai—Inspection of vessels—Precautions at Tientsin on account of plague maintained—Quarantine against Swatow removed.

Acting Assistant Surgeon Ransom reports, November 17 and December 1:

November 17: During the week ended November 14 supplemental bill of health was granted to a steamship having a personnel of 44. One vessel, with 44 members of the crew, was inspected. The various packing establishments preparing shipments for the United States were inspected during the week. Twenty cases of human hair were disinfected and one case of the same material from Tientsin not properly packed and disinfected was rejected.

Smallpox is not officially reported, but the disease exists here to a moderate degree among both natives and foreigners.

The epidemic of plague in the Tientsin district (at Tongshan) is under control and quarantine is maintained. Intending passengers are being required to have their clothing and effects disinfected before being allowed to board trains. The nature of the disinfection practiced is not stated.

The consular body and the superintendent of customs have withdrawn the declaration of infection against Swatow, at which place plague prevailed.

Examination of emigrants—Beriberi on steamship Iyo Maru—Smallpox.

December 1. During the week ended November 28, 1 original and 2 supplemental bills of health were issued to 3 steamships having an aggregate personnel of 255. There were inspected 3 vessels, 233 members of crews, 2 cabin and 6 steerage passengers, and the living quarters of 1 vessel were disinfected, while the Asiatic crew, numbering 64 men, were bathed and their effects disinfected by steam. Manifests were viséed for 31,416 pieces of freight.

One case of beriberi discovered among the steerage passengers of the steamship *Iyo Maru*, bound from Hongkong to Seattle, was noted on the vessel's bill of health.

Smallpox continues present at Shanghai, but the cases and deaths are few in number and are confined almost entirely to the native population.

CUBA.

Report from Habana—Inspection and fumigation of vessels—General sanitary conditions—Smallpox on steamship Floride from Spanish port via Canary Islands.

Passed Assistant Surgeon Amesse reports, December 28:

Week ended December 26.

Vessels inspected	16
Bills of health issued	17
Members of crews of outgoing vessels inspected	760
Passengers of outgoing vessels inspected	306
Vessels fumigated prior to sailing	1

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Favorable reports on health conditions are received from all districts of the island.

December 26 the French steamship *Floride*, from Coruña, via the Canary Islands, arrived at this port with 1 case of smallpox in the steerage. All Habana passengers were removed with the patient and isolated at Mariel quarantine, after vaccination. The crew with passengers in transit for New Orleans were vaccinated and their effects disinfected by the service. The vessel was fumigated and all prophylactic measures prescribed in the regulations were carried out under the supervision of this office. December 28, the *Floride* departed for New Orleans and other American ports.

Yellow fever at San Luis, Santiago Province.

Doctor Amesse further reports:

January 2. Sanitary department confirms 1 death and 1 new case yellow fever at San Luis, 20 miles north of Santiago de Cuba.

The chief quarantine officer at San Juan, Porto Rico, was informed by the bureau of the presence of yellow fever in Santiago Province.

Report from Santiago—Inspection of vessels—House inspection.

Acting Assistant Surgeon Wilson reports, December 23:

Week ended December 19. Bills of health were issued to 6 vessels bound for the United States and its dependencies. No quarantinable disease was reported.

The sanitary department made 3,849 house inspections during the week, finding larvæ in 7.

ECUADOR.

Reports from Guayaquil—Inspection and fumigation of vessels—Plague and yellow fever—Plague at Milagro.

Passed Assistant Surgeon Wightman reports, December 3 and 10, through Passed Assistant Lloyd:

Two weeks ended November 14.

Bills of health were issued to 6 steamships, with an aggregate personnel of 495 members of crews, 115 cabin and 116 steerage passengers. All these steamships were fumigated.

During the week ended November 7 no death from quarantinable disease was recorded for Guayaquil. During that ended November 14, 1 death occurred from yellow fever and 2 deaths from plague.

There has been no death from smallpox since September 26, 1908, and the last case left the lazaretto November 3, 1908, since which date the lazaretto has been closed.

During the two weeks ended November 28, bills of health were issued to 3 steamships, 2 of which were fumigated. They carried an aggregate personnel of 272 members of crews, 51 cabin and 26 steerage passengers.

During the week ended November 21, 1 death from plague was recorded at Guayaquil. No other death from quarantinable disease occurred in that week.

During the week ended November 28, 2 deaths from yellow fever and 1 death from plague were recorded.

Plague has appeared in Milagro, a small railroad town about 25 miles from Guayaquil. The first case was recognized November 17, and

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from that time to the end of the month 11 cases, with 6 deaths, were recorded.

A medical officer of the special commission on sanitation (now the public health service of Ecuador) was sent to Milagro with assistants to institute sanitary measures, and the work is continued.

EGYPT.

Report from Alexandria—History of plague in Egypt, 1899–1908—Transmission of plague by rats—Sanitary measures enforced in cities.

Consul Birch reports, December 10:

The present outbreak of plague in Egypt is now running out its tenth year. The first cases were reported in 1899 and in that year there were 93 cases of plague with 45 deaths, all in Alexandria. The next year the number of new cases in Alexandria decreased to 36 and the center of infection shifted to Port Said, where 90 cases were treated. In 1901 Alexandria again reported the bulk of plague cases, and from that time to the present, with the exception of the years 1904 and 1906, when bubonic epidemics occurred in the district of Samalout, the city of Alexandria has been the principal plague spot in Egypt.

During the 9 years from 1899 to 1907, inclusive, there have been 4,213 cases of plague in all Egypt, of which 2,729 resulted in death. Of these 4,213 cases, 1,253 were reported last year. The plague figures for 1908 will show even a greater number of cases for all Egypt, though probably less for Alexandria.

The chief sanitary inspector of the Alexandria office of the Conseil Sanitaire, Maritime, et Quarantenaire d'Egypte, informs the consulate that the present tendency of the disease is to attack the small villages of the interior and to lessen its activity in the larger cities. This is due to the almost total absence of ordinary sanitary precautions in the interior in contradistinction to the immediate and extreme measures applied to new cases in the cities. In Alexandria the outbreak is confined to the native and poorer Greek quarters, and seldom is a case reported from the cleaner European sections.

The chief sanitary inspector, in discussing the causes of bubonic plague in Egypt, expressed the belief that contagion was in the majority of instances transmitted through actual contact with rats. Close observation had shown that infection through bites of rat flees was to a lesser degree the cause of plague in Egypt than in India or elsewhere. Speaking as to the possibility of plague being carried into the United States by raw cotton, he said he did not think this probable, as the rat does not house itself in cotton bales. Hides and skins would be more likely to carry the rat than bales of cotton.

TABLE.

Year.	Cases.	Deaths.	Year.	Cases.	Deaths.
1899	93	45	1905	127	87
1900	36	25	1906	99	61
1901	52	26	1907	105	89
1902	101	52			
1903	129	83	Total	850	588
1904	108	70			

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During the current year up to November 13 there were reported in Alexandria 97 cases of plague, with 57 deaths.

The local authorities are most active in their treatment of cases, compelling immediate isolation in every instance. The population of the city of Alexandria is nearly 400,000.

GERMANY.

Report from Berlin—Status of cholera in Russia.

The following is received from Consul-General Thackara, under date of December 21:

During the week ended November 21 there were registered in the Russian Empire 324 fresh cases of cholera, with 158 deaths, and during the week ended November 28 there were registered 217 cases, with 90 deaths.

HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, plague laboratory, reports, December 12, through Temporary Chief Quarantine Officer Moore:

Week ended December 12.

Rats taken in Honolulu	937
Trapped	937
Found dead	0
Shot from trees	0
Examined bacteriologically	690
Showing plague infection	0

Classification of rats trapped.

Mus rattus	122
Mus norvegicus	49
Mus alexandrinus	70
Mus musculus	692
Total classified	933
Average number of traps set daily	1,376

ITALY.

Report from Naples—Inspection of vessels—Emigrants recommended for rejection—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, December 14:

Week ended December 12.—Vessels inspected at Naples.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Dec. 8	Liguria	New York	689	80	950
8	Luisiana	do	920	90	720
9	Hamburg	do	507	75	580
9	Madonna	do	834	120	1,100
10	Slavonia	do			
10	Barbarossa	do	651	80	920
	Total		3,601	445	4,270

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Rejections recommended

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Measles.	Other causes.	Total.
Dec. 8	Liguria	14	1	4				19
8	Luisiana	21		15			1	37
9	Hamburg	17	1	11	1		3	33
9	Madonna	20		5		1	7	33
10	Slavonia							
10	Barbarossa	13	1	10			5	29
	Total	85	3	45	1	1	16	151

Smallpox in Naples.—During the week ended December 13 there were 18 cases of smallpox and 6 deaths reported at the health office of the city of Naples. From the date of the introduction of the disease from Marseille, June 13, 1908, to the present date the total number of cases is 224, with 28 deaths.

Status of smallpox in Italy.—Week ended December 13. Province of Caserta (Aversa), 4 cases; province of Rovigo (Pontecchio), 12 cases.

MEXICO.

Report from Mexico City—Yellow fever at Veracruz and in Merida and vicinity.

The following is received from Dr. Eduardo Liceaga, president of the superior board of health of Mexico, under date of December 23 and 30:

During the week ended December 19, 3 cases of yellow fever with 2 deaths occurred at Veracruz, 2 cases at the city of Merida, 1 death at Maxcanu, 50 kilometers distant from Merida, and 4 cases with 1 death at the plantation of Sodzil, 10 kilometers north of Merida.

Week ended December 26. At Veracruz, 3 new cases of yellow fever, with 1 death; at the city of Merida, 2 cases, 2 deaths; at the Sodzil plantation, 10 kilometers north of Merida, 2 cases, 3 deaths.

RUSSIA.

Report from Libau—Status of cholera in Russia—Examination of water supply of St. Petersburg—Increase in cholera in St. Petersburg—Epidemic typhus fever in Kief.

Acting Assistant Surgeon De Forrest reports, December 17:

During the week ended December 14, 152 cases of cholera, with 68 deaths were reported at St. Petersburg. For other localities, cholera is reported as follows:

December 7, Jusovka (Ekaterinslav), 1 case, 1 death; Rykov-Bergvich, 3 cases, 3 deaths.

December 3–4, Erivan, 2 cases, 2 deaths; district of Erivan, 2 cases, 1 death.

December 10, government of Moscow (Starija), 1 case, 1 death.

December 12, government of Kief (Tripolie), 4 cases, 1 death.

At St. Petersburg, during the two weeks ended December 17, new cholera cases increased from 6–12 cases to 20–30 daily.

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Samples of St. Petersburg city water taken from four mains have been examined at four separate laboratories for cholera bacilli. The result was positive in all the samples tested. The entire water supply is therefore considered cholera infected. The project of destroying all existing mains and bringing water to St. Petersburg from Lake Ladoga is being considered.

Epidemic typhus fever is reported at Kief.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Transvaal—Johannesburg.*—Two weeks ended November 14, 1908. Estimated population, 180,687. Total number of deaths, 169, including enteric fever 7, measles 3, and 17 from tuberculosis.

BRITISH NORTH BORNEO—*Sandakan.*—Month of October, 1908. Estimated population, 10,495. Total number of cases, 26. Deaths not reported.

CHINA—*Amoy (Kulangsu).*—Six weeks ended November 22, 1908. Estimated population, 3,400. Total number of deaths, 31, including enteric fever 2, diphtheria 1, and 2 from smallpox.

FRANCE—*Roubaix.*—Month of November, 1908. Estimated population, 121,115. Total number of deaths, 160, including scarlet fever 7, diphtheria 3, and 25 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended December 12, 1908, correspond to an annual rate of 15.5 per 1,000 population, which is estimated at 16,234,952.

London.—One thousand three hundred and eleven deaths were registered during the week, including measles 49, scarlet fever 10, diphtheria 14, enteric fever 9, whooping cough 7, tuberculosis 131, and 11 from diarrhea. The deaths from all causes correspond to an annual rate of 14.3 per 1,000. In Greater London 1,907 deaths were registered. In the "outer ring" the deaths included 2 from measles, 1 from scarlet fever, 7 from diphtheria, and 5 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended December 12, 1908, in the 21 principal town districts of Ireland was 19.7 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Ballymena, viz, 4.8, and the highest in Galway, viz, 50.5 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended December 12, 1908, correspond to an annual rate of 15.2 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 19.5, and the lowest in Paisley, viz, 5.8 per 1,000. The aggregate number of deaths registered from all causes was 536, including enteric fever 1, diphtheria 7, scarlet fever 6, and 19 from whooping cough.

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JAPAN—*Formosa.*—Month of November, 1908. Estimated population, 3,050,004. Total number of deaths not reported. Deaths from contagious diseases reported were: Enteric fever 8, and 5 from plague. Cases: Enteric fever 19, diphtheria 1, and plague 17.

MADAGASCAR—*Tamatave.*—Month ended November 14, 1908. Estimated population 7,086. Total number of deaths 12; cause of deaths not reported.

NEW ZEALAND—*Auckland.*—Month of September, 1908. Estimated population 73,032. Total number of deaths 67, including 9 from tuberculosis.

Wellington.—Month of September, 1908. Estimated population 70,947. Total number of deaths 45, including enteric fever 1, scarlet fever 1, and 2 from tuberculosis.

Christchurch.—Month of September, 1908. Estimated population 59,544. Total number of deaths 44, including enteric fever 1, and 5 from tuberculosis.

Dunedin.—Month of September, 1908. Estimated population 59,495. Total number of deaths 58, including 7 from tuberculosis.

SOCIETY ISLANDS—*Tahiti.*—Five weeks ended December 5, 1908. Estimated population, 4,000. Total number of deaths, 2. Deaths not reported.

SPAIN—*Cadiz.*—Month of November, 1908. Estimated population, 69,382. Total number of deaths, 135, including enteric fever 4, whooping cough 4, and 30 from tuberculosis.

Seville.—Month of November, 1908. Estimated population, 148,315. Total number of deaths, 422, including enteric fever 6, scarlet fever 3, diphtheria 5, whooping cough 1, and 72 from tuberculosis.

URUGUAY—*Montevideo.*—Month of October, 1908. Estimated population, 314,570. Total number of deaths, 423, including enteric fever 1, scarlet fever 1, diphtheria 3, measles 4, and 68 from tuberculosis.

WEST INDIES—*Jamaica—Kingston.*—Month of November, 1908. Estimated population, 52,065. Total number of deaths, 120, including enteric fever 6, and 13 from tuberculosis.

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Cholera, yellow fever, plague, and smallpox, from December 26, 1907, to January 8, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Calcutta	Nov. 1-28		38	
Madras	Nov. 14-27		37	
Negapatam	Oct. 31-Nov. 6		1	
Rangoon	Nov. 8-28		7	
Indo-China—Cholen	Nov. 9-15	1	1	
Philippine Islands:				
Manila	Nov. 1-14	46	29	
Provinces—				
Antique	Nov. 1-14	60	36	
Bataan	Nov. 1-7	1	1	
Bulacan	Nov. 1-14	22	14	
Capiz	Nov. 1-14	257	117	
Cagayan	Nov. 1-14	12	9	
Cavite	Nov. 1-14	31	21	
Ilocos Norte	Nov. 1-14	87	71	
Ilocos Sur	Nov. 1-14	82	53	
Iloilo	Nov. 1-14	143	74	
La Laguna	Nov. 1-14	41	80	
Leyte	Nov. 1-14	6	4	
Negros Occidental	Nov. 1-14	110	78	
Palawan	Nov. 1-14	6	3	
Pampanga	Nov. 1-14	2	2	
Rizal	Nov. 1-14	57	47	
Samar	Nov. 1-14	34	31	
Union	Nov. 1-7	6	4	
Russia, general	Nov. 15-Dec. 5	764	332	Dec. 1, one case is reported present, 1 at Dorpat, and 3 cases at Riga. From 1 to 4 cases are reported weekly from the following places: Poltava, Schuscka, Dnjeprowsk (Simferopol), Alupka, Galitsch (Kostroma), Bijsk, Smeinogorsk, Erivan, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Amolinsk	Nov. 15-21	15	13	
Bakoo	Nov. 22-28	3	2	
Batoom	Nov. 15-21	4	2	
Cronstadt	Nov. 15-21	1	1	
Don, territory of	Nov. 15-28	42	19	
Ekaterinislav	Nov. 15-28	19	8	
Kerson	Nov. 15-21	1		
Kief	Nov. 15-Dec. 5	7		
Kooban	Nov. 15-Dec. 5	96	52	
Livonia	Nov. 15-21	2	1	
Odessa	Nov. 29-Dec. 5	1	1	
Olonets	Nov. 21-28	1	1	
Saratov	Nov. 15-28	5	4	
Stavropol	Nov. 15-21	1		
St. Petersburg, government	Nov. 15-Dec. 5	5	1	
St. Petersburg	Nov. 29-Dec. 5	154	45	
Tambov	Nov. 15-28	11	5	
Taurida	Nov. 15-28	9	5	
Terek, territory of	Nov. 15-28	78	47	
Tiflis	Nov. 15-21	9	4	
Tomsk	Nov. 15-28	64	22	
Tver, district	Nov. 15-21	3		
Yelisavetpol	Nov. 26-28	4	10	
Straits Settlements:				
Singapore	Nov. 8-22		38	

YELLOW FEVER.

Barbados:				
Bridgetown	Dec. 12-29	2	2	
Brazil:				
Manaos	Nov. 29-Dec. 5		2	
Para	Nov. 22-Dec. 12	8	8	
Cuba:				
San Luis	Jan. 1-2	2	1	
Ecuador:				
Guayaquil	Nov. 29-Dec. 5		3	
Martinique:				
Fort de France	Dec. 13-19	1		
Mexico:				
Itzincal ptantation	Dec. 6-12	2	2	
Maxcanu	Dec. 6-26	2	2	
Merida	Dec. 6-26	7	5	Aug. 22-Dec. 18, 5 cases not previously reported.
Sodzil plantation	Dec. 13-26	6	4	
Veracruz	Dec. 6-26	9	3	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Australia:				
Brisbane	Nov. 1-7	1	1	
Brazil:				
Rio de Janeiro	Nov. 16-29	18	8	
Chile:				
Iquique	Nov. 22-28	1	1	
China:				
Tientsin	Oct. 18-Nov. 21			Still present.
Tongshan	Nov. 1-14			Present
Ecuador:				
Guayaquil	Nov. 29-Dec. 5		1	
Milagro	Nov. 17-30	11	6	
Egypt:				
Alexandria	Nov. 14-Dec. 4	3		
Port Said	Dec. 4	1		
Provinces—				
Assiout	Dec. 2-8	1	1	
Beherach	Nov. 24-Dec. 10	7		
Garbieh	Nov. 27-28	3		
Girgeh	Oct. 18-Dec. 10	1		
Fayoum	Nov. 23-Dec. 1	1	1	
Menouf	Nov. 27-Dec. 8	116	22	
India:				
Bombay Presidency and Sind.	Nov. 2-21	3,805	2,691	
Madras Presidency	Nov. 2-21	252	172	
Bengal	Nov. 2-21	235	209	
United Provinces	Nov. 2-21	117	93	
Punjab	Nov. 2-21	1,085	876	
Burma	Nov. 2-21	90	87	
Central provinces, including Berar.	Nov. 2-21	500	403	
Coorg	Nov. 2-21	5	3	
Mysore State	Nov. 2-21	683	451	
Hyderabad State	Nov. 2-21	156	135	
Central India	Nov. 2-21	292	235	
Rajputana	Nov. 2-21	196	202	
Grand total		7,416	5,557	
Indo-China:				
Cholen	Oct. 25-Nov. 21	10	9	Including Chuquan.
Saigon	Oct. 25-Nov. 7	3	3	
Japan:				
Formosa	Nov. 8-14	17	5	
Mauritius	Oct. 2-22		23	
Peru:				
Callao	Nov. 13-19	2		
Chiclayo	Nov. 13-19	3	2	
Eten	Nov. 13-19	3	3	
Ferrenafe	Nov. 13-19	3	1	
Lima	Nov. 13-19	6	3	
Mollendo	Nov. 13-19	2	1	
Monsefu	Nov. 13-19	2		
San Jose (Lambayeque)	Nov. 13-19	1		
San Pedro	Nov. 13-19	2	1	
Truj llo	Nov. 13-19	6	1	
Siam:				
Bangkok	Sept. 27-Oct. 24	5	1	
Turkey in Asia:				
Bagdad	Nov. 6-Dec. 5	14	5	

SMALLPOX.

Arabia:				
Aden	Nov. 25-Dec. 7		25	
Brazil:				
Rio de Janeiro	Nov. 16-29	420	200	
Santos	Nov. 1-22		5	
Sao Paulo	Nov. 1-22		13	
Canada:				
Halifax	Dec. 13-26	3		
Toronto	Nov. 8-28	7		
Victoria	Dec. 12	1		
Ceylon:				
Colombo	Nov. 1-7	25	4	
China:				
Amoy	Oct. 11-Nov. 8		2	
Shanghai	Nov. 11-28			Present.

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Cholera, yellow fever, plague, and smallpox—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Cuba:				
Habana	Dec. 26	1		On s. s. Floride.
Egypt:				
Cairo	Nov. 19–Dec. 9	9	5	
France:				
Paris	Nov. 22–Dec. 12	8	1	
Greece:				
Athens	Nov. 22–Dec. 12		3	
India:				
Bombay	Nov. 25–Dec. 8		2	
Calcutta	Nov. 1–28		11	
Rangoon	Nov. 22–28	1		
Indo-China:				
Cholen	Nov. 15–21	1	1	
Saigon	Nov. 1–7	1		
Italy, general	Nov. 30–Dec. 13	26		
Florence	Nov. 24–30	2		
Naples	Dec. 7–13	18	6	
Polesella	Dec. 1			Epidemic.
Java:				
Batavia	Nov. 1–21	7		
Malta	Nov. 22–28	1		On vessel.
Norway:				
Christiania	Nov. 22–28	1	1	
Peru:				
Salaverry	Nov. 19–25		1	
Philippine Islands:				
Manila	Nov. 1–14	2	2	
Portugal:				
Lisbon	Nov. 30–Dec. 12	2		
Russia:				
Moscow	Nov. 29–Dec. 5	26	6	
Riga	Nov. 29–Dec. 12	8		
St. Petersburg	Nov. 15–22	7		
Warsaw	Nov. 1–28		10	
Spain:				
Barcelona	Dec. 6–19		4	
Madrid	Nov. 1–30		9	
Valencia	Nov. 29–Dec. 12	5	1	
Vigo	Nov. 30–Dec. 5		1	
Turkey in Europe:				
Constantinople	Dec. 7–13		15	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Dec. 12	178,210	45								1			3
Acapulco	Dec. 13	5,000	10											
Aden	Nov. 30	43,794	66	3				14					3	
Do	Dec. 7	43,784	56	3				11					1	
Aix-la-Chapelle	Nov. 14	158,632	51	9										1
Do.[a]	Nov. 28	158,632	65	12							1			1
Amsterdam	Dec. 12	510,850	151	31								1	6	3
Antwerp	Dec. 5	312,571	72	10										
Asuncion	Nov. 7	75,000	18	1						2				
Athens	Nov. 28	241,058	88	17				2		1				
Baracoa	Dec. 12	27,000	4											
Barcelona	...do	600,000	221	21				3	3	24		5	2	3
Barmen	Nov. 21	160,600	33	5									2	
Do	Nov. 28	160,600	34	2									2	
Do	Dec. 5	160,600	35	3									1	
Basel	...do	131,000	22	1								2		
Belfast	Dec. 12	380,844	122	15						1				

[a] No report for November 21.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Belize	Dec. 17	9,113	8											
Birmingham	Dec. 12	558,336	174								1	4	6	
Bombay	Dec. 1	977,822	620	49	5			1		1				1
Bordeaux	Dec. 12	258,000	110	18						1		1	5	2
Bremen	Nov. 21	232,988	87	8							1	6	3	1
Do	Nov. 28	232,988	72	11							2		3	2
Do	Dec. 5	232,988	74	11								1	3	
Breslau	Nov. 21	335,186	167	23						1	2	5	1	1
Do	Nov. 28	335,186	208	34						1		3		
Bristol	Dec. 12	372,785	96									4	3	1
Brussels	Dec. 5	630,078	178	14							3			
Budapest	Nov. 21	804,200								4	5	2	2	
Do	Nov. 28	804,200								2	4	3	2	
Cairo	Nov. 25	692,657	474	35				1	5	1		11		
Do	Dec. 2	692,657	379	35				1	4			5		
Calcutta	Nov. 7	847,796	404	21	10	9		1					1	
Cardiff	Dec. 12	191,446	40	5										
Ceiba	...do	6,500	4											
Chemnitz	Nov. 21	272,720	84	14							1			
Do	Nov. 28	272,720	75	7										2
Do	Dec. 5	272,720	99	9						1		1	1	
Christiania	Nov. 28	233,000	49					1				3		1
Do	Dec. 5	233,000	50											1
Cienfuegos	Dec. 12	37,000	16	2								1		
Coatzacoalcos[a]	...do	3,300	4											
Coburg	Nov. 21	23,370	7	2									1	
Do	Nov. 28	23,370	9											
Cognac	Dec. 12	19,483	8											
Cologne	Nov. 21	463,008	142	15							1	2		1
Do	Nov. 28	463,008	151	15						1	3	2	2	3
Do	Dec. 5	463,008	154	12						1		1	7	8
Colombo	Nov. 7	180,262	170	21				4		11				
Colon	Dec. 13	16,000	7	1										
Copenhagen	Nov. 28	440,000	124	11							1	1		1
Do	Dec. 5	440,000	128	16									1	4
Dalny	Nov. 21	36,470	18	2						3				
Do	Nov. 28	36,470	7											
Damascus	...do	250,000	45											
Denia	Dec. 5	12,421	4											
Do	Dec. 12	12,421	2											
Dublin	Dec. 5	394,525	185	31						3			5	2
Do	Dec. 12	394,525	179	35						1		1	7	3
Dundee	...do	168,616	61									1		3
Durban	Nov. 21	60,972	16	3										
Dresden	Dec. 3	545,200	157	24							1	6		3
East London	Nov. 21	49,253	7											
Edinburgh	Dec. 12	350,524	107	12							1			1
Erfurt	Nov. 21	107,162	24	2								2		3
Do	Nov. 28	107,162	34	5							1	3		1
Do	Dec. 5	107,162	39	5							1			1
Flushing	Dec. 12	20,257	5											
Fort de France	Dec. 5	27,069	18											
Do	Dec. 12	27,069	16											
Frankfort on the Main	Nov. 21	359,000	92								2	2	3	2
Do	Nov. 28	359,000	100									2	3	2
Do	Dec. 5	359,000	103								2	4	2	2
Geneva	Nov. 28	118,500	36											
Georgetown	Dec. 5	56,000	62	3										
Ghent	...do	166,033	40	2						1				
Gibraltar	Dec. 13	26,830	6											
Glasgow	Dec. 18	859,715	265							1	3	5		12
Gothenburg	Dec. 5	160,500	47	5						2	1	1		1
Greenock	Dec. 12	71,783	23											
Halifax	Dec. 19	40,737	10								1			
Hamburg	Nov. 28	854,472	133	27							2	3	3	4
Do	Dec. 5	854,472	241	20						1	6	3	1	3
Do	Dec. 12	854,472	253	20							5	1	2	6
Hamilton, Bermuda	Dec. 14	20,254	6											
Do	Dec. 21	20,254	5											
Havre	Nov. 28	132,430	74	14						3		1		
Do	Dec. 5	132,430	50	17										
Hilo, Hawaii	...do	3,500	5											

[a] No report for December 5.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough
Honolulu, Hawaii	Dec. 5	39,306	22	7										
Hull	Dec. 12	271,137	87							1	2		6	
Kobe	Nov. 21	363,593	184							11				
Do	Nov. 28	363,593	167							14				
Königsberg	Nov. 21	235,000	82	9								2	1	1
Do	Nov. 28	235,000	91	9							1	2		1
Do	Dec. 5	235,000	101	6							1	1		3
Lausanne	Nov. 28	56,000	11											
Leeds	Dec. 12	477,107	158	13									3	
Leipzig	Nov. 28	528,184	154	22							3	4	1	1
Do	Dec. 5	528,184	157	16					1	1	5	1	3	2
Leith	Dec. 12	84,689	13	2										
Liege	Dec. 5	174,852	49	12										
Liverpool	Dec. 12	753,203	246	21							2	3	4	5
London	...do	4,795,757	1,311	131						9	10	14	49	7
Lübeck	Dec. 5	96,000	28	1								2		1
Lyons	...do	472,114	156	32						1		4		
Madras	Nov. 20	509,346	437			22							2	
Magdeburg	Dec. 5	249,780	87	10								2		
Manchester	Dec. 12	649,251	246							4	6	6	13	2
Mannheim	Nov. 14	180,642	41	1							1		1	1
Do	Nov. 21	180,642	30	2									1	
Do	Nov. 28	180,642	43	5										
Manzanillo	Dec. 12	1,700	1											
Mayaguez	...do	35,700	18	2						1				
Do	Dec. 19	35,700	37	3										
Mazatlan	Dec. 5	22,000	20											
Messina	...do	107,000	37	2						4	1		2	
Milan	Nov. 15	900,000	186	23										
Moncton N. B.	Dec. 14	13,500	5									1		
Do	Dec. 21	13,500	3											
Monterey	Dec. 20	100,000	59	5						1	1			
Moscow	Dec. 5	1,335,104	610	82				6	15	7	26	11	5	3
Munich	Nov. 14	556,000	202	34							5	4	1	2
Do	Nov. 21	556,000	200	25								4	1	1
Do	Nov. 28	556,000	195	31								2	2	1
Nagasaki	Nov. 22	173,118	47											
Do	Nov. 29	173,118	36									1		
Nantes	Dec. 18	133,247	42	5										
Newcastle-on-Tyne	Dec. 12	272,969	99							8	14	10		
Niuchwang	Nov. 21	60,000	10											
Do	Nov. 28	60,000	14											
Nottingham	Dec. 5	260,000	98									1	2	3
Nuevo Laredo	Dec. 19	8,000	3	1										
Nuremberg	Nov. 21	311,650	98	11							1	1	1	1
Do	Nov. 28	311,650	99	12							2		2	3
Palermo	...do	330,000	103	7										
Do	Dec. 5	330,000	144	3							1			
Para	...do	185,000	79	11			4							
Do	Dec. 12	185,000	80	13			4							
Paris	...do	2,776,394	931	190						5	1	2		2
Penang	Nov. 21	101,469	97	21						1				
Plymouth	Dec. 12	122,113	30									1		
Prague	Dec. 5	229,570	118	20						1	2	2		
Port Elizabeth	Nov. 21	32,959	18	3								1		
Do	Nov. 28	32,959	13	2										
Port of Spain	Oct. 31	60,000	29	6										
Do	Nov. 7	60,000	30	7										
Do	Nov. 14	60,000	38	5						1		1		
Do	Nov. 21	60,000	27	6										
Do	Nov. 28	60,000	37	5										
Do	Dec. 5	60,000	24	1										
Queenstown	Dec. 12	7,684	2											
Rangoon	Nov. 21	252,155	157	6	3									
Rotterdam	Dec. 12	411,027	120								5			
St. John, N. B.	Dec. 19	40,711	15	3										
Do	Dec. 26	40,711	8	1								1		
St. Petersburg	Nov. 22	1,678,000	706	130		31				15	22	17	14	6
San Felice de Guixols	Dec. 12	11,094	4	1						1				
Santa Cruz de Teneriffe	Dec. 5	46,000	18	3										
Santiago de Cuba	Dec. 12	45,497	12											
Santos	Nov. 9	75,000	27	6				1						
Do	Nov. 15	75,000	32	5				1		1				

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Shanghai	Nov. 14	544,500	145	17							1	3		
Do	Nov. 21	544,500	132	13								2		
Singapore	Nov. 7	260,000	293	38		5				4				
Do	Nov. 14	260,000	348	35		11								
Do	Nov. 21	260,000	301	36		17				2				
Southampton	Dec. 12	122,196	36	3								1		
South Shields	do	115,585	26	2								2		2
Stettin	Dec. 5	230,000	78	5								3		
Stockholm	Nov. 21	337,460	99	16						1	2	2		
Do	Nov. 28	337,460	98	17							1			
Tegucigalpa	Dec. 9	23,000	8											
Tientsin	Nov. 14	1,000,000	2							1				
Do	Nov. 21	1,000,000	2	1										
Toronto	Nov. 14	272,600	64							1	2	4		
Do	Nov. 21	272,600	69							2	1	3		
Do	Nov. 28	272,600	80								1	2		
Do	Dec. 5	272,600	77									5		
Do	Dec. 12	272,600	74							1	1	6		
Trieste	Nov. 14	216,077	95							2				
Do	Nov. 21	216,077	97							1	2			
Do	Nov. 28	216,077	87											
Turin	Dec. 6	373,701	140	13						1				
Valencia	Dec. 5	250,000	94	13										
Do	Dec. 12	250,000	107	8				1				1		
Vevey	Nov. 28	14,000	2											
Victoria, B. C	Dec. 12	27,500	5											
Do	Dec. 19	27,500	3											
Vigo	Dec. 5	40,000	19	2				1		1			4	
Do	Dec. 12	40,000	19	2						1		1	4	
Vienna	Dec. 5	2,042,426	590	76						1	8	10	11	3
Warsaw	Nov. 7	751,595	299	52				3		2	10	5	21	1
Do	Nov. 14	751,595	278	56				2		3	14	4	16	1
West Hartlepool	Dec. 12	66,750	25											
Winnipeg	Dec. 19	118,000	22							2			1	
Zanzibar	Nov. 14	75,000	14	4										
Zurich	Dec. 12	180,000	64	6						1	2	1		

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Week ended January 2.

Date of last case	Sickened, January 30, 1908
Date of last case of rodent plague	October 23, 1908
Sick inspected	3
Plague	0
Dead inspected	112
Plague	0
Necropsy held	1
Premises inspected	9,012
Houses disinfected	5
Houses destroyed	2
Nuisances abated	648
Rats found dead	55
Rats trapped	1,841
Total rats taken	1,896
Rats identified:	
Mus norvegicus	1,172
Mus rattus	48
Mus musculus	636
Total	1,856
Rats identified as to sex	1,131
Male	454
Female	677
Rats examined bacteriologically	1,113
Plague rats	0
Poisons placed	67,958

OAKLAND, CAL.

Week ended December 26.

Dead inspected	31
Plague	0
Premises inspected	797
Nuisances abated	79
Premises cleaned	132

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Garbage cans installed	117
Places made ratproof	2
Rats trapped	548
Rats examined bacteriologically	535
Plague rats	0
Mice trapped	50
Mice examined bacteriologically	50
Plague mice	0
Gophers received	1
Gophers examined bacteriologically	1
Plague gophers	0

POINT RICHMOND, CAL.

Week ended December 26.

Sick inspected	1
Plague	0
Dead inspected	4
Plague	0
Premises inspected	490
Nuisances abated	30
Rats found dead	22
Rats trapped	32
Rats examined bacteriologically	36
Plague rats	0
Poisons placed	14,000

ALAMEDA COUNTY, CAL.

Week ended December 26.

Sick inspected	9
Plague	0
Dead inspected	53
Plague	0
Necropsies held	1

CONTRA COSTA COUNTY, CAL.

Week ended December 26.

Dead inspected	4
Plague	0
Necropsies held	1

Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson reports, December 30:

Animals examined in the laboratory at Los Angeles from December 21 to 26, 1908:

Ground squirrels	221
Gray rats	209
Black rats	18
Gambel pocket mouse	1
White rat	1
Rabbits	2

None of these animals were found to be infected with plague.

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, January 4:

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SEATTLE, WASH.

Week ended January 2.

Date of finding of last plague rat	September 26, 1908
Plague infected rats to date	21
Rats received	1,288
Rats necropsied	1,284
Plague rats	0
Vessels inspected	17
Vessels fumigated	1

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA.—Month of November, 1908. Estimated population, 2,019,519. Total number of deaths reported to the State board of health, 2,484, including diphtheria 40, enteric fever 55, measles 5, scarlet fever 16, whooping cough 3, smallpox 2, and 317 from tuberculosis.

Oakland.—Month of December, 1908. Estimated population, 200,000. Total number of deaths, 140, including diphtheria 2, enteric fever 2, and 9 from tuberculosis. Cases: Diphtheria 33, enteric fever 6, scarlet fever 7, smallpox 4, measles 1, and tuberculosis 4.

FLORIDA—*Pensacola.*—Month of December, 1908. Estimated population, 30,000. Total number of deaths 41, including 5 from tuberculosis.

ILLINOIS—*Alton.*—Month of December, 1908. Estimated population, 22,000. Total number of deaths 27, including 5 from tuberculosis. Cases: Diphtheria 4.

Quincy.—Month of December, 1908. Estimated population, 43,000. Total number of deaths 46, including enteric fever 1, and 5 from tuberculosis. Cases: Diphtheria 24, enteric fever 3, and scarlet fever 7.

INDIANA—*Anderson.*—Month of December, 1908. Estimated population, 26,000. Total number of deaths 16, including enteric fever 1, diphtheria 1, and 11 from tuberculosis. Cases: Smallpox 1, enteric fever 1, diphtheria 1, and tuberculosis 11.

Jeffersonville.—Month of December, 1908. Estimated population, 12,000. Total number of deaths 12, including enteric fever 4, and 1 from tuberculosis. Cases: Diphtheria 8, tuberculosis 1, enteric fever 16, and scarlet fever 1.

Muncie.—Month of December, 1908. Estimated population, 34,036. Total number of deaths 32, including 1 from tuberculosis. Cases: Enteric fever 2, scarlet fever 2, diphtheria 2, and tuberculosis 4.

IOWA—*Burlington.*—Month of December, 1908. Estimated population, 30,000. Total number of deaths 15, including 2 from tuberculosis. Cases: Scarlet fever 3, enteric fever 2, diphtheria 3, and measles 2.

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Davenport.—Month of December, 1908. Estimated population, 40,000. Total number of deaths not reported. Deaths reported were: Diphtheria 3, measles 2, whooping cough 1, and 1 from tuberculosis. Cases: Enteric fever 1, scarlet fever 3, diphtheria 21, measles 234, whooping cough 2, and tuberculosis 1.

KENTUCKY—*Henderson.*—Annual report for the year 1908. Estimated population, 17,500. Total number of deaths 206, including enteric fever 6, scarlet fever 1, diphtheria 1, whooping cough 2, and 24 from tuberculosis. Cases: Smallpox 7, enteric fever 67, scarlet fever 9, diphtheria 2, measles 115, whooping cough 17, and tuberculosis 24.

MINNESOTA.—Month of September, 1908. Estimated population, 1,979,658. Reports to the State board of health show as follows: Total number of deaths, 1,752, including diphtheria 33, enteric fever 44, scarlet fever 6, whooping cough 9, and 146 from tuberculosis. Deaths reported from State institutions during the month numbered 27, including pneumonia 1, enteric fever 2, and 5 from tuberculosis.

NEW HAMPSHIRE—*Concord.*—Month of December, 1908. Estimated population, 20,000. Total number of deaths, 48, including 3 from tuberculosis. Cases: Diphtheria 9, and tuberculosis 3.

NEW JERSEY.—Reports to the State board of health for the month of December, 1908, show a total of 2,695 deaths, including diphtheria 34, enteric fever 31, measles 11, scarlet fever 24, whooping cough 6, diphtheria 68, and 323 from tuberculosis.

Elizabeth.—Three months ended December 26, 1908. Estimated population 60,509. Total number of deaths 241, including diphtheria 6, enteric fever 2, scarlet fever 1, and 25 from tuberculosis. Cases: Diphtheria 88, enteric fever 7, scarlet fever 26, and measles 3.

Paterson.—Month of October, 1908. Estimated population, 116,020. Total number of deaths 120, including diphtheria 2, enteric fever 1, and 20 from tuberculosis. Cases: Diphtheria 29, enteric fever 7, scarlet fever 24, and tuberculosis 20.

Month of November, 1908. Total number of deaths 122, including scarlet fever 1, and 12 from tuberculosis. Cases: Diphtheria 34, enteric fever 4, scarlet fever 34, and tuberculosis 21.

NEW YORK—*Saratoga Springs.*—Month of December, 1908. Estimated population, 11,822. Total number of deaths, 18, including enteric fever 1, diphtheria 2, and 1 from tuberculosis.

Schenectady.—Month of December, 1908. Estimated population, 77,666. Total number of deaths, 89, including scarlet fever 16, measles 2, and 4 from tuberculosis. Cases: Diphtheria 8, measles 5, scarlet fever 54, and tuberculosis 7.

OHIO—*Newark.*—Annual report for the year 1908. Estimated population, 31,792. Total number of deaths, 309, corresponding to an annual death rate of 9.72 per 1,000, including enteric fever 5,

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measles 2, whooping cough 2, diphtheria 5, and 37 from tuberculosis. Cases: Diphtheria 45, measles 153, smallpox 3, scarlet fever 29, and enteric fever 17.

Zanesville.—Month of December, 1908. Estimated population, 30,000. Total number of deaths, 41, including 2 from tuberculosis. Cases: Scarlet fever 6, and diphtheria 3.

PENNSYLVANIA—*Altoona.*—Month of December, 1908. Estimated population, 60,000. Total number of deaths, 48, including 1 from tuberculosis. Cases: Diphtheria 12 and scarlet fever 10.

Sharon.—Annual report for year ended 1908. Estimated population, 7,500. Total number of deaths, 191, including diphtheria 1, scarlet fever 1, enteric fever 28, and 13 from tuberculosis.

WASHINGTON—*Seattle.*—Month of November, 1908. Estimated population, 276,562. Total number of deaths, 143, including diphtheria 2, enteric fever 4, measles 1, whooping cough 1, and 16 from tuberculosis. Cases: Diphtheria 68, measles 21, enteric fever 26, scarlet fever 30, smallpox 7, tuberculosis 7.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to January 15, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Arkansas:				
Little Rock	Dec. 15–Jan. 2	23		
Texarkana	Nov. 26–Dec. 18	3		
Total for State		26		
California, general	Nov. 1–30		2	
Los Angeles	Dec. 6–Jan. 2	4		
Oakland	Nov. 1–Dec. 31	6		
Sacramento	Nov. 1–30	15		
San Francisco	Dec. 13–26	9		
Stockton	Nov. 1–30	12		
Total for State		46	2	
District of Columbia:				
Washington	Dec. 28–Jan. 2	1		
Total for District		1		
Illinois:				
Belleville	Dec. 4–20	3		
Cairo	Jan. 7	12		
Chicago	Jan. 3–9	1		
Peoria	Dec. 20–26	4		
Total for State		20		
Indiana:				
Carroll County	Oct. 1–31	26		
Clay County	Oct. 1–31	8		
Dearborn County	Oct. 1–31	1		
Elkhart County	Oct. 1–31	1		
Madison County	Oct. 1–31	1		
Anderson	Dec. 1–31	1		
Sullivan County	Oct. 1–31	2		
Tippecanoe County	Oct. 1–31	4		
La Fayette	Dec. 15–Jan. 4	11	1	
Vigo County	Oct. 1–31	1		
Total for State		56	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks
Kansas:				
Atchison County—				
Atchison	Dec. 20-26	1		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-30	15		
Crawford County—				
Pittsburg	Nov. 1-Dec. 31	107		
Harvey County	Nov. 1-30	3		
Jackson County	Nov. 1-30	85		
Montgomery County	Nov. 1-30	11		
Pottawatomie County	Nov. 1-30	22		
Reno County	Nov. 1-30	2		
Riley County	Nov. 1-30	2		
Saline County	Nov. 1-30	16		
Shawnee County	Nov. 1-30	2		
Topeka	June 7-Jan. 2	12		
Sumner County	Nov. 1-30	5		
Wilson County	Nov. 1-30	5		
Total for State		296		
Kentucky:				
Covington	Dec. 29-Jan. 9	3		
Henderson		7		Year 1908.
Lexington	Dec. 28-Jan. 2	2		
Total for State		12		
Louisiana:				
New Orleans	Dec. 20-Jan. 2	2		
Total for State		2		
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-Jan. 2	62		
Total for State		113		
Michigan:				
Barry County	Nov. 1-30	2		
Delta County	Nov. 1-30	1		
Ingham County—				
Lansing	Nov. 1-30	6		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Muskegon County	Nov. 1-30	13		
St. Clair County	Nov. 1-30	1		
Port Huron	Nov. 1-30	2		
		28		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct, 20-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-30	8		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16—Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicolett County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Oct. 6-Dec. 13	57		
Renville County	Dec. 1-7	1		
St. Louis County				
Duluth	Nov. 9-16	2		
Sibley County	Dec. 7-13	9		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Stearns County	Nov. 9–Dec. 7	4		
Steele County	Oct. 20–Dec. 7	4		
Stevens County	Nov. 9–Dec. 13	12		
Todd County	Nov. 9–Dec. 13	3		
Wabasha County	Nov. 2–Dec. 7	10		
Wadena County	Nov. 2–Dec. 13	15		
Saseka County	Oct. 26–Dec. 7	9		
Washington County	Nov. 24–30	1		
Stillwater	Dec. 1–31	3		
Winona County	Dec. 1–7	1		
Winona	Dec. 1–7	4		
Yellow Medicine County	Oct. 20–26	1		
Total for State		223		
Mississippi:				
De Soto County	Nov. 1–Dec. 22	135		
Total for State		135		
Missouri:				
St. Louis	Dec. 20–26	2		
Springfield	Nov. 1–30	1		
Total for State		3		
Montana:				
Butte	Dec. 2–15	6		
Total for State		6		
Nebraska:				
Lincoln	Nov. 1–30	3		
South Omaha	Dec. 20–26	1		
Total for State		4		
New Hampshire:				
Hinsdale	Nov. 1–Dec. 15	6		
West Chesterfield	Nov. 1–Dec. 15	1		
Westmoreland	Nov. 1–Dec. 15	1		
Total for State		8		
Ohio:				
Cincinnati	Dec. 12–Jan. 2	25		
Total for State		25		
Oregon:				
Clackemas County	Sept. 1–30	1		
Harney County	Sept. 1–30	1		
Jackson County	Oct. 1–31	1		
Linn County	Sept. 1–Oct. 31	5		
Marion County	Sept. 1–Oct. 31	3		
Multnomah County, Portland.	Nov. 1–30	29		
Polk County	Sept. 1–Oct. 31	8		
Tillamook County	Oct. 1–31	1		
Umatilla County	Sept. 1–30	1		
Wallowa County	Oct. 1–31	1		
Washington County	Oct. 1–31	17		
Yamhill County	Sept. 1–30	7		
Total for State		75		
Pennsylvania:				
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 19–25	1		
Pittsburg	Dec. 13–19	1		Imported.
Total for State		2		
Tennessee:				
Knoxville	Dec. 28–Jan. 2	1		
Nashville	Dec. 20–26	1		
Total for State		2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Texas:				
Cost	Oct. 1–Dec. 19			Present.
Falfurrias	Dec. 26	12		
Laredo	Dec. 26	2		
Monthalia	Oct. 1–Dec. 19			Do.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–Jan. 2	11		
Total for State		25		
Utah:				
Davis County	Nov. 1–30	5		
Weber County	Nov. 1–30	1		
Total for State		6		
Washington:				
Seattle	Nov. 1–30	7		
Spokane	Dec. 6–26	2		
Tacoma	Dec. 14–20	14		
Total for State		23		
Wisconsin:				
La Crosse	Dec. 13–Jan. 2	8		
Manitowoc	Dec. 13–19	4		
Milwaukee	Dec. 6–19	2		
Total for State		14		
Grand total for the United States		1,149	3	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Jan. 2	38,973	14		1			8		1					
Ann Arbor, Mich	do	14,509		1											
Atchison, Kans	do	15,722	3					3	1						
Baltimore, Md	do	508,957		18	26	4	1	10		22	5	41			
Bath, Me	do	10,477										1			
Bayonne, N. J	do	32,722		1		1		6		3		10			
Berkeley, Cal	Dec. 26	13,214	8			1						1			
Biddeford, Me	Jan. 2	16,146	1												
Binghamton, N.Y.	do	38,647	8												
Boston, Mass	do	560,892	227	61	30	28	3	68	1	76	5	36	1	22	1
Braddock, Pa	do	15,654	5			3	1	3		1				2	
Bradford, Pa	do	15,029	3												
Brockton, Mass	do	40,063	6	1				3				5		5	
Cambridge, Mass	do	91,886	26	8	3	4	1	20		12		6		9	1
Camden, N. J	do	75,935	31	17		1		6		4		5			
Carbondale, Pa	do	13,536	3					2							
Charlotte, N. C	Dec. 25	18,091	8	1	2	1				3		1			
Do	Dec. 31	18,091	9		1	3		1							
Chelsea, Mass	Jan. 2	34,072	9	1	1			2		1				4	
Chicopee, Mass	do	19,167	5	1	1			1		1					
Cincinnati, Ohio	do	325,902	115	16	16		1	10	1	12	4	2		4	
Cleveland, Ohio	Jan. 1	381,768	123	31	11	8		31		29	3	7		8	
Clinton, Mass	Jan. 2	13,667	4		1	1	1								
Corning, N. Y	do	11,061		1		1									
Covington, Ky	do	42,938	16		1		2								
Danville, Ill	Jan. 3	16,534	8			1	1	3		1	1				
Dayton, Ohio	Jan. 2	85,333	28	1	5			2		2		1			
Detroit, Mich	do	285,704	113					10	1	15					
Dunkirk, N. Y	do	11,616	5	1	1			2						1	1
E. Liverpool, Ohio	Dec. 26	16,485	4												
Do	Jan. 2	16,485	5												
Elkhart, Ind	do	15,184	4					3							

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Elmira, N. Y	Jan. 2	35,672	13	1	1										
El Paso, Tex	Dec. 29	15,905	18	1	2										
Erie, Pa	Jan. 2	52,733	17	5		1		15						1	
Everett, Mass	...do	24,336	7		1			10		3					
Findlay, Ohio	...do	17,613	6		1										
Galesburg, Ill	...do	18,607	5					1		1					
Galveston, Tex	Jan. 1	37,789	8	2						1					
Glens Falls, N. Y	Jan. 2	13,543	1			1									
G'd Rapids, Mich	...do	87,565	15	1	1	1		11	1	2	1	2		3	
Greensboro, N. C	...do	10,035	4	1	2					1					
Harrison, N. J	...do	10,596	2	1	1										
Hartford, Conn	Jan. 3	79,850	33	2	2	1	2	2	1	4				6	1
Haverhill, Mass	Jan. 2	37,175	8	3				1		4	1			1	
Hoboken, N. J	...do	59,364				3		1		6		7			
Homestead, Pa	Dec. 28	12,554	6					1				1			
Indianapolis, Ind	Jan. 3	169,164	53		6		1	5		16	1	4			
Jacksonville, Fla	Jan. 2	28,429	22		6	1		1		5					1
Johnstown, Pa	...do	35,936	29		1	17		10		5		6			
Kalamazoo, Mich	...do	24,404	7			1									
Kansas City, Kans	Dec. 31	51,418	18		3	3	1	2		2					
Kearny, N. J	Jan. 2	10,896	5					3		1				2	
Kingston, N. Y	...do	24,535	8												
Knoxville, Tenn	...do	32,637			3	1	1	1				9			
La Crosse, Wis	Dec. 26	28,895	10					1		2	1				
Do	Jan. 2	28,895	10		2			2		1					
La Fayette, Ind	Jan. 4	18,116	3			1									
Lancaster, Pa	Jan. 2	41,459	21					3		1	1			1	
Lawrence, Mass	...do	62,559	30					2		5	2	40	3		
Lexington, Ky	...do	26,369	16		3							1		1	
Los Angeles, Cal	Dec. 26	102,479	61	7	16	3	1	12		3		2			
Lowell, Mass	Jan. 2	94,969	39	4	2	1				3					1
Lynn, Mass	...do	68,513	24		4	2		4	1	11		1			
McKeesport, Pa	Dec. 5	34,227	20		1	7				3		2	1	1	
Do	Dec. 12	34,227	5		1	4	1			1		2		7	1
Do	Dec. 19	34,227	10			1	1			2		1		13	
Do	Dec. 26	34,227	8	1		1				2		2		2	
Do	Jan. 2	34,227	12			2		2		1				1	
Malden, Mass	...do	33,664	9	4	2			6		9		2		1	
Manchester, N. H	...do	56,987	20	1	1			2		12	1				
Manitowoc, Wis	...do	11,786	2							1	1	1			
Mansfield, Ohio	...do	17,650								2		1			
Marinette, Wis	...do	16,195	2							1					
Marlboro, Mass	...do	13,609	1			1				1		1			
Massillon, Ohio	...do	11,944	1												
Medford, Mass	...do	18,244	5	2				6		2					
Montclair, N. J	...do	13,962	5					5				1			
Montgomery, Ala	Jan. 1	30,346	11		1										
Moline, Ill	Jan. 3	17,248	8												
Morristown, N. J	Jan. 2	13,000	5					1							
Mt. Vernon, N. Y	...do	21,228			1	1				1		6			
Nanticoke, Pa	Jan. 3	12,616	5	1	1	1				1					
Nashville, Tenn	Jan. 2	80,865	38		3	1	1	8		4					
Newark, N. J	...do	246,070	100		12	1		44	1	19	2				
New Bedford, Mass	...do	63,442	33	2	3	3		3		4	2			3	
Newburyport, Mass	...do	14,478	6		2			2		3					
New London, Conn	...do	17,548	4	1	1			3		2				1	
New Orleans, La	Dec. 26	278,104	140	9	16	9	4	8		14					
Do	Jan. 2	278,104	144	10	16	8	2	6		9	1				
Newton, Mass	...do	33,587	14	6	2			7		5					
New York, N. Y	...do	3,437,202	1,344	361	172	48	12	296	19	392	36	363	16	24	3
Niagara Falls, N. Y	...do	19,457	7	2	2	18		3		3					
North Adams, Mass	...do	24,200	4		1										
Northampton, Mass	...do	18,643	2									2			
Orange, N. J	...do	24,141	6	2				2				2			
Ottumwa, Iowa	...do	18,197	9					1		1					
Palmer, Mass	...do	7,801	4							2	1				
Peoria, Ill	Dec. 26	56,100	21	14		4	2	3		6					
Philadelphia, Pa	...do	1,293,697	474	84	48	38	8	39	2	87	15	57	1	8	3
Pittsburg, Pa	...do	321,616	156	12	9	13	3	24	3	15	4	32	1	6	1
Plainfield, N. J	Jan. 2	15,369	2									3			

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Portland, Me	Dec. 26	50,145	23				1	5	1	3					
Do	Jan. 2	50,145	17		1	2	2	2	1	1				7	
Portsmouth, N. H.	...do	10,637	3		1					2	1				
Providence, R. I.	...do	175,597	60	2	5			5		30	2				
Racine, Wis	...do	29,102	5					2		1					
Richmond, Va	Jan. 2	85,050	51	3	7	4		1				1		1	
Rock Island, Ill.	Dec. 26	19,493	2			3						5			
Do	Jan. 2	19,493	5		1							6			
San Francisco, Cal.	Dec. 26	342,782	131	24	20	2	2	15	1	10	1	28	2	1	
Scranton, Pa	...do	102,026	32			1	1	9	2	5		14	1	1	
St. Louis, Mo. [a]	...do	575,238	180	36	17	5	3	23	2	73	6	23		3	
Do	Jan. 2	575,238	189	46	23	3	2	32	1	71	3	86	1	4	
San Antonio, Tex.	...do	53,321				7				7		1			
Shamokin, Pa	...do	18,202								2					
Somerville, Mass	...do	61,645	25	7	3	1		11		17	1				
South Bend, Ind	...do	35,999	13	2	2	1		1				5			
Spokane, Wash	Dec. 26	38,848	24		5	3		7		10	2	2			
Springfield, Ill	Dec. 31	34,159	11					2		2					
Do	Jan. 7	34,159	14												
Springfield, Mass.	Jan. 2	62,059	24	2	2					8	2	12	1	1	
Springfield, Ohio	...do	38,253	11	4	1			1		1		1			
Steelton, Pa	...do	12,068	3							1					
Tacoma, Wash	Dec. 20	37,714	16	2	3	4				2					
Do	Dec. 27	37,714	14		1		1	2		3	1				
Do	Jan. 2	37,714	9		1	1		1		3					
Taunton, Mass	...do	31,036	11	1	1									15	
Terre Haute, Ind.	...do	36,673	19		2			2		1		11			
Titusville, Pa	...do	8,244	4					13							
Trenton, N. J.	Dec. 26	73,307				1	1			1					
Do	Jan. 2	73,307		2		3		1							
Waltham, Mass	...do	23,481	8	1	2			16	1	3		7			
Warren, Pa	Dec. 27	8,043	3												
Do	Jan. 3	8,043	4												
Washington, D. C.	Dec. 26	278,718	110	20	12	10	1	12		13	1	80		1	
Do	Jan. 2	278,718	100	22	16	21	3	14	2	8	1	92	1	1	
Wichita, Kans	...do	24,671						1		4	1				
Wilkes Barre, Pa.	Dec. 25	51,721	24		2			5		14	2	1		3	
Do	Jan. 1	51,721	25	3	1	3		5	2	6	2	3		1	
Williamsport, Pa.	Jan. 2	28,757	5	1						2					
Winona, Minn	...do	19,714	4												
Woburn, Mass	...do	14,254	2					1							
Worcester, Mass	...do	118,421	33	3	4			14		11					

[a] The following entries in the weekly morbidity and mortality table, cities of the United States, Public Health Reports, January 1, 1909, are corrected to read as follows: St. Louis, Mo., week ended December 19, 1908, diphtheria 60 cases and 5 deaths, measles 33 cases and no deaths, whooping cough 3 cases and 1 death. Saginaw, Mich., week ended December 12, 1908, whooping cough no cases and no deaths.

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FOREIGN AND INSULAR.

ALGERIA.

Deratization at Algiers—Rat fleas.

The following is taken from the *Bulletin Bimensuelle*, Algiers, December 15:

December 1–15: Rodents taken by the maritime sanitary service, 630; examined by the laboratory of health, 103; result negative. Classification of rats: *Mus norvegicus*, 577; *Mus rattus*, 29; *Mus alexandrinus*, 3; *Mus musculus*, 21.

Rat fleas determined.

Pulex cheopis, on *Mus norvegicus*	74
Ctenopsylla musculi on *Mus norvegicus*	29
Pulex irritans, on *Mus rattus*	3
Ctenophallus serraticeps, on *Mus alexandrinus*	2
Ceratophyllus fasciatus, on *Mus norvegicus*	5

BRAZIL.

Report from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox—Plague and smallpox at Bahia, January 1 to August 31, 1908.

Acting Assistant Surgeon Stewart reports, December 15:

Two weeks ended December 12. Vessels inspected and received bills of health: November 30, the Brazilian steamship *Acre* for New York, via Brazilian coast ports, in general cargo and with 63 cabin and 23 steerage passengers, and the entire crew shipped in this port, which is the home port; all members of crew were vaccinated when needed; December 1, the British steamship *Hillmere* for some southern port, in water ballast, via St. Lucia for orders, with no passengers and no change in personnel; December 3, the British steamship *Queen Eleanor* for New York, in cargo of coffee, no passengers, and 4 new members of the crew signed on in this port; December 4, the British steamship *Byron* for New York, in coffee cargo, with 19 cabin and 7 steerage passengers and no change in the crew personnel; December 5, the British steamship *Tintoretto* for New York, in coffee cargo, with no passengers and with no change in the crew personnel; December 10, the British steamship *Grecian Prince*, for New York, in coffee cargo, with no passengers and with no change in the crew personnel; and December 12 the British steamship *Phidias*, for New Orleans, in cargo of coffee, with no passengers and no change in the personnel of the vessel's crew.

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No other vessels requiring inspection left this port for the United States during the period under report.

Mortality report for Rio de Janeiro—Plague and smallpox.—Week ended December 6. Total estimated population, 811,443; census population, 1907, 628,675. Total deaths, 426. No deaths nor cases reported caused by yellow fever. Plague caused 2 deaths, with 8 new reported cases; smallpox, 109 deaths, with 183 new reported cases, of which number 45 occurred in the suburbs. At the close of the week there were in the hospital São Sebastião 140 cases of smallpox and 21 cases of plague under treatment; in the hospital Engenho de Dentro, 109 cases of smallpox under treatment; in the hospital Paula Candido, 77 convalescent cases of smallpox.

Week ended December 13. Total deaths, 320. No cases nor deaths reported due to yellow fever. Smallpox caused 60 deaths with 115 new reported cases, of which number 30 occurred in the suburbs; plague, 4 deaths with 5 new reported cases. At the close of the week there were in the hospital São Sebastião 150 cases of smallpox and 21 cases of plague under treatment; in the hospital Engenho de Dentro 97 cases of smallpox, and in the hospital Paula Candido 29 convalescent cases of smallpox.

Plague, smallpox, and yellow fever at Bahia.—From January 1 to August 31, 1908, there were in the city of Bahia 2 deaths from yellow fever, 17 from bubonic plague, and 49 from smallpox.

CHINA.

Report from Shanghai—Inspection of vessels—Smallpox—Plague at Tongshan extinct.

Acting Assistant Surgeon Ransom reports, December 8:

During the week ended December 5, 1 original and 3 supplemental bills of health were granted to 4 steamships, having an aggregate personnel of 410. There were inspected 3 vessels, 207 members of crews, and 1 steerage passenger. The forecastles of 2 vessels were disinfected, and 97 members of crews were bathed. Their effects were disinfected by superheated steam. Manifests were viséed for 1,578 packages of freight.

Smallpox is still present in the settlement.

Plague is reported to have disappeared from Tongshan.

CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, December 28:

Week ended December 26.

Vessels inspected	5
Bills of health issued	5
Members of crews inspected	128

No quarantinable diseases were reported.

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Report from Habana—Inspection and fumigation of vessels—History of yellow fever cases at San Luis, Oriente Province—Sanitary measures taken.

Passed Assistant Surgeon Amesse reports, January 4:

Week ended January 2.

Vessels inspected	18
Bills of health issued	23
Members of crews of outgoing vessels inspected	1,624
Passengers of outgoing vessels inspected	2,260

Yellow fever reappeared in Cuba during this period, 2 cases having been reported from the town of San Luis, Oriente Province, 20 miles north of Santiago de Cuba.

Both patients were taken from a café near the railway station and isolated in the civil hospital at Santiago, where one case terminated fatally on December 31, the diagnosis being verified by autopsy.

Prompt measures were taken to locate the focus of infection, and a sanitary squad of 100 men was dispatched from Santiago to carry out the necessary fumigation.

Reports from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, December 21 and 28 and January 5:

Week ended December 19. Bills of health were granted to 3 vessels clearing for United States ports in good sanitary condition. No fumigations were performed. The health of the city and its vicinity continues good; no quarantinable diseases have been reported.

Week ended December 26. Bill of health issued to a sailing vessel clearing for Mobile, Ala., in good sanitary condition. No quarantinable diseases were reported.

Week ended January 2. Bills of health issued to 4 vessels bound for United States ports in good sanitary condition. The sanitary condition of this port and surrounding country continues good. No quarantinable diseases were reported during the week.

Report from Santiago—Inspection of vessels—House inspections.

Acting Assistant Surgeon Wilson reports, December 29:

Week ended December 26. Bills of health issued to 6 vessels bound for the United States. No vessel was fumigated. No quarantinable disease was reported.

The sanitary department reports for the week 3,021 inspections of houses; mosquito larvæ were found in only 3.

HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, plague laboratory, reports, through Temporary Chief Quarantine Officer Moore, December 19:

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Week ended December 19.

Rats taken in Honolulu	974
Trapped in Honolulu	974
Found dead in Honolulu	0
Shot from trees in Honolulu	0
Examined bacteriologically	734
Showing plague infection	0

CLASSIFICATION OF RATS TRAPPED.

Mus rattus	146
Mus norvegicus	51
Mus alexandrinus	73
Mus musculus	704
Total classified	974
Average number of traps set daily	1,461

INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Eakins reports, December 10:

During the week ended December 5 a bill of health was issued to the steamship *Ince Bank* bound for Boston and New York with a total crew of 28, to the steamship *Khalip* bound for Galveston with a total crew of 55, to the steamship *Bechuana* bound for Boston and New York with a total crew of 50, to the steamship *Inverness* bound for Boston and New York with a total crew of 31 and 1 passenger, and to the steamship *Denbigh Hall* bound for Philadelphia and New York with a total crew of 58. The usual precautions were taken, the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

During the week ended November 28 there were 11 deaths from cholera, 8 from plague, and 6 from smallpox in Calcutta. In Bengal there were 74 cases of plague with 54 deaths. In India during the same period there were 2,156 cases of plague with 1,646 deaths.

ITALY.

Report from Naples—Inspection of vessels—Emigrants recommended for rejection—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, December 21:

Vessels inspected at Naples, Messina, and Palermo, week ended December 19.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Dec. 16	Italia	New York	123	12	320
16	Canopic	Boston	727	100	1,100
19	Simonside	Norfolk			
	Total		850	112	1,420

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Vessels inspected at Naples, Messina, and Palermo, week ended December 19—Continued.

MESSINA.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Dec. 17	Italia	New York	54	13	74

PALERMO.

Dec. 18	Italia	New York	225	220	152

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Measles.	Other causes.	Total.
Dec. 16	Italia	14		6			2	22
16	Canopic	19		11		1	4	35
19	Simonside							
	Total	33		17		1	6	57

MESSINA.

Dec. 17	Italia	6					1	7

PALERMO.

Dec. 18	Italia	8		5			2	15

Smallpox in Naples.—During the week ended December 20, there were 18 cases of smallpox and 4 deaths reported at the health office of the city of Naples. From the date of the introduction of the disease from Marseille, June 13, to the present date, the total number of cases has been 242, with 32 deaths. Section 34 (United States Quarantine Regulations), relating to steerage passengers and crews from districts where smallpox prevails in epidemic form or who have been exposed to smallpox, is being complied with.

Status of smallpox in Italy.—Week ended December 20.

Province of Reggio Calabria (Cinquefrondi) 2 cases, (Polistena) 1 case, (Tatrinoli) 1 case. Province of Rovigo (Pontecchio) 1 case, (Bosaro) 2 cases. Province of Girgenti (Ribera) 2 cases. Province of Belluno (Domegge) 1 case.

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JAPAN.

Reports from Kobe—Inspection of vessels—Examination of emigrants.

Acting Assistant Surgeon Smith reports, December 10 and 15:

Week ended December 5. Supplemental bills of health granted to 5 steamships. There were inspected 160 members of crew and 100 steerage passengers, and there were bathed and disinfected, and had their effects disinfected by steam 135, bedding 114. Manifests were viséed for 70,891 pieces of freight, amounting to 5,060 tons.

Emigrants were examined as follows:

Per steamship *Iyo Maru* for Seattle. Passed 21; recommended for rejection 9. Per steamship *Nippon Maru* for Honolulu; passed 23; recommended for rejection 21. Per steamship *Nippon Maru* for San Francisco; passed 2; recommended for rejection none. The emigrants passed together with 10 intending passengers to Victoria by the steamship *Iyo Maru*, were inspected, bathed, and disinfected, and their effects disinfected before embarkation.

Week ended December 12. Supplemental bills of health granted to 4 steamships and original bill of health to 1 steamship.

There were inspected 70 members of crew and 398 steerage passengers; 56 members of crew and 45 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 235 and of bedding 90. Manifests were viséed for 73,576 pieces of freight, amounting to 3,654 tons.

Emigrants were examined as follows: Steamship *Siberia* for Honolulu, passed 44, recommended for rejection 13; steamship *Siberia* for San Francisco passed 1, recommended for rejection none.

PERSIA.

Report from Teheran—Cholera at Tabriz.

The following is received from Minister Jackson, under date of November 30:

About 10 days ago the American consul at Tabriz reported that cholera had broken out in Tabriz, and subsequently he stated that within the past few weeks there have been about 1,000 cases and 500 deaths. The matter was brought to the attention of various members of the sanitary council, the result being that the presence, but not the extent, of cholera as reported has been confirmed.

PHILIPPINE ISLANDS.

Reports from Manila—Status of cholera in Manila and the provinces—Improved conditions in cholera epidemic—Inspection of vessels.

Chief Quarantine Officer McClintic reports, November 24 and December 1:

Week ended November 21. Thirteen cases of cholera, with 8 deaths, were reported for the city of Manila.

The cholera situation in the city of Manila and in the provinces generally shows a gradual improvement. The few sporadic cases which

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occurred in the city of Manila during the week were of a mild type and have shown no tendency to spread. A new house-to-house inspection has been ordered and will be continued until the city has been positively free from the disease for a considerable period.

PROVINCIAL CHOLERA.

Report of cases and deaths from cholera which occurred in the provinces during the period covered by this report:

Provinces.	Cases.	Deaths	Provinces.	Cases.	Deaths.
Rizal	12	12	Occidental Negros	82	19
Samar	44	27	Antique	16	11
Bulacan	19	18	Laguna	5	4
Leyte	3	3	Ilocos Norte	15	13
Ilocos Sur	23	12	Surigao	1	.....
Pampanga	1	1	Cagayan	5	6
Capiz	86	48			
Cavite	17	11	Total	331	211
Iloilo	52	26			

During the week consular bills of health were issued at the port of Manila as follows:

November 15, the United States Army transport *Thomas*, with 188 in the crew and with 536 passengers, was granted a bill of health for San Francisco via Nagasaki and Honolulu. The crew and steerage passengers were bathed and their effects and baggage disinfected at the Mariveles quarantine station. The cargo and baggage were either disinfected or passed after inspection. All persons on board were inspected at the hour of sailing.

November 21, the British steamship *Indrawadi*, with 62 in the crew, en route from New York to Olongapo, was granted a supplemental bill of health.

November 21, the British steamship *St. Patrick*, with 47 in the crew, en route from Yokohama to New York, was granted a bill of health after the usual inspection of cargo and personnel.

Week ended November 28. Eleven new cases of cholera, with 10 deaths, were reported for the city of Manila.

PROVINCIAL CHOLERA.

Week ended November 28.

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Rizal	2	1	Iloilo	21	12
Samar	31	25	Antique	22	8
Bulacan	6	8	Laguna	5	1
Leyte	6	3	Ilocos Norte	11	6
Ilocos Sur	11	7	Cagayan	11	8
Capiz	56	50			
Palawan	1	1	Total	187	134
Cavite	4	4			

During the week consular bills of health were issued at the port of Manila as follows:

November 23, the British steamship *Benavon*, with 43 in the crew, en route from Yokohama to Cebu, was granted a supplemental bill of

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health. November 26, the British steamship *Titan*, with 90 in the crew, en route from London to Seattle and Tacoma, was granted a supplemental bill of health after the usual inspection of cargo and personnel. November 27, the United States steamship *Yankton*, with 104 in the crew, was granted a bill of health for Hampton Roads. November 27, the United States army transport *Dix*, with 147 in the crew and with 6 passengers, was granted a bill of health for Seattle via Nagasaki. The personnel and cargo were inspected and certified at the hour of sailing. November 27, the United States steamship *Culgoa*, with 121 in the crew, was granted a bill of health for Hampton Roads. November 27, the British steamship *Kaifong*, with 63 in the crew and with 46 passengers, en route from Amoy to Cebu and Iloilo, was granted a supplemental bill of health. The crew and steerage passengers were bathed and their effects disinfected at Mariveles. November 27, the British steamship *Changsha*, with 73 in the crew and with 135 passengers, en route from Hongkong to Zamboanga, was granted a supplemental bill of health.

RUSSIA.

Report from Libau—Status of cholera at St. Petersburg—Proposed cholera measures—Examination of emigrants.

Acting Assistant Surgeon De Forrest reports, December 25:

Cholera is reported at St. Petersburg as follows:

Date.	Cases.	Deaths.	Date.	Cases.	Deaths.
December 15	17	4	December 20 (no report)	.....	.....
December 17	9	5	December 21	14	1
December 18	19	2	December 22	6	4
December 19	9	8	December 23	15	4

The sanitary commission at St. Petersburg proposes to institute an anti-cholera campaign and to construct barracks for cholera patients. Disinfectants have been pumped into the infected water mains in such quantities that the water has become fetid.

Three hundred and eight emigrants for the United States by the steamship *Estonia* sailing December 29 have been personally examined by me.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Sierra Leone—Freetown.*—Month of November, 1908. Estimated population, 40,000. Total number of deaths, 78. No deaths from contagious diseases reported.

ARGENTINA—*Rosario de Santa Fe.*—Month of October, 1908. Estimated population, 154,663. Total number of deaths, 324, including diphtheria 3, measles 2, and 37 from tuberculosis.

AUSTRIA-HUNGARY—*Brünn.*—Month of October, 1908. Estimated population, 108,944. Total number of deaths, 224, including tuberculosis 44, and 1 from diphtheria.

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AZORES—*St. Michaels.*—Month of October, 1908. Estimated population, 131,183. Total number of deaths, 315, including enteric fever 3, diphtheria 1, whooping cough 6, and 4 from tuberculosis.

BRAZIL—*Bahia.*—Month of August, 1908. Estimated population, 265,000. Total number of deaths, 454, including smallpox 8, yellow fever 1, plague 5, and 70 from tuberculosis.

São Pãulo, Santos, and Campinas.—Five weeks ended December 6, 1908. Estimated population, 300,000. Total number of deaths, 1,072, including measles 5, enteric fever 9, smallpox 31, whooping cough 4, diphtheria 7, and 84 from tuberculosis.

CANADA—*Quebec—Sherbrooke.*—Month of November, 1908. Estimated population, 14,709. Total number of deaths, 17, including enteric fever 1, diphtheria 2, and 4 from tuberculosis.

Nova Scotia—Yarmouth.—Month of December, 1908. Estimated population, 6,700. Total number of deaths, 13, including 1 from diphtheria. Cases: Scarlet fever 1, diphtheria 3, and smallpox 1.

COSTA RICA—*San Jose.*—Month of November, 1908. Estimated population, 26,682. Total number of deaths, 55, including 6 from tuberculosis.

FRANCE—*St. Etienne.*—Two weeks ended December 15, 1908. Estimated population, 150,000. Total number of deaths, 135, including enteric fever 2, whooping cough 1, diphtheria 1, and 13 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended December 19, 1908, correspond to an annual rate of 15.3 per 1,000 population, which is estimated at 16,234,952.

London.—One thousand three hundred and fifty-nine deaths were registered during the week, including measles 51, scarlet fever 14, diphtheria 24, enteric fever 14, whooping cough 4, tuberculosis 123, and 19 from diarrhea. The deaths from all causes correspond to an annual rate of 14.8 per 1,000. In Greater London 1,940 deaths were registered. In the "outer ring" the deaths included 5 from measles, 1 from scarlet fever, 5 from diphtheria, and 4 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended December 19, 1908, in the 21 principal town districts of Ireland was 19.3 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Lurgan, viz, 4.4, and the highest in Portadown, viz, 36.2, per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended December 19, 1908, correspond to an annual rate of 16.6 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Perth, viz, 26.7, and the lowest in Leith, viz, 13.6 per 1,000. The aggregate number of deaths

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registered from all causes was 585, including measles 2, diphtheria 8, scarlet fever 3, and 22 from whooping cough.

MAURITIUS—*Port Louis.*—Month of September, 1908. Estimated population, 376,635. Total number of deaths 1,020, including enteric fever 8, measles 5, plague 13, diphtheria 1, and 68 from tuberculosis.

SPAIN—*Almeria.*—Month of November, 1908. Estimated population, 50,000. Total number of deaths, 97, including enteric fever 6, diphtheria 1, and 4 from tuberculosis.

Huelva.—Month of November, 1908. Estimated population, 24,000. Total number of deaths, 73, including enteric fever 1, measles 1, and 16 from tuberculosis.

Madrid.—Month of November, 1908. Estimated population, 556,663. Total number of deaths, 1,136, including diphtheria 28, enteric fever 15, measles 26, scarlet fever 10, whooping cough 1, smallpox 9, and 109 from tuberculosis.

URUGUAY—*Montevideo.*—Month of October, 1908. Estimated population, 252,000. Total number of deaths, 423, including enteric fever 1, measles 4, scarlet fever 1, diphtheria 3, and 71 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1907, to January 15, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-21	9	5	
India:				
Calcutta	Nov. 1-28		38	
Madras	Nov. 14-Dec. 4		41	
Negapatam	Oct. 31-Nov. 6		1	
Rangoon	Nov. 8-28		7	
Indo-China—Cholen	Nov. 9-15	1	1	
Persia:				
Tabreez	Oct. 24-Nov. 30	1,000	500	
Philippine Islands:				
Manila	Nov. 1-28	70	47	
Provinces—				
Antique	Nov. 1-28	98	55	
Bataan	Nov. 1-7	1	1	
Bulacan	Nov. 1-28	47	40	
Capiz	Nov. 1-28	399	215	
Cagayan	Nov. 1-28	28	23	
Cavite	Nov. 1-28	52	36	
Ilocos Norte	Nov. 1-28	113	90	
Ilocos Sur	Nov. 1-28	117	72	
Iloilo	Nov. 1-28	216	112	
La Laguna	Nov. 1-28	51	35	
Leyte	Nov. 1-28	15	10	
Negros Occidental	Nov. 1-28	142	97	
Palawan	Nov. 1-28	7	4	
Pampanga	Nov. 1-28	3	3	
Rizal	Nov. 1-28	71	60	
Samar	Nov. 1-28	109	83	
Surigao	Nov. 15-21	1		
Union	Nov. 1-7	6	4	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia, general	Nov. 15–Dec. 12	925	397	Dec. 1, one case is reported present, 1 at Dorpat, and 3 cases at Riga. From 1 to 4 cases are reported weekly from the following places: Poltava, Schuscka, Dnjeprowsk (Simferopol), Alupka, Galitsch (Kostroma), Bijsk, Smeinogorsk, Erivan, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Amolinsk	Nov. 15–21	15	13	
Bakoo	Nov. 22–28	3	2	
Batoom	Nov. 15–21	4	2	
Cronstadt	Nov. 15–21	1	1	
Don, territory of	Nov. 15–28	42	19	
Ekaterinislav	Nov. 15–28	19	8	
Kerson	Nov. 15–21	1	.....	
Kief	Nov. 15–Dec. 5	7	.....	
Kooban	Nov. 15–Dec. 5	96	52	
Livonia	Nov. 15–21	2	1	
Odessa	Nov. 29–Dec. 5	1	1	
Olonets	Nov. 21–28	1	1	
Saratov	Nov. 15–28	5	4	
Stavropol	Nov. 15–21	1	.....	
St. Petersburg, government	Nov. 15–Dec. 12	11	3	
St. Petersburg	Nov. 29–Dec. 19	455	141	
Tambov	Nov. 15–28	11	5	
Taurida	Nov. 15–28	9	5	
Terek, territory of	Nov. 15–28	78	47	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–28	64	22	
Tver, district	Nov. 15–21	3	.....	
Yelisavetpol	Nov. 26–28	4	10	
Straits Settlements:				
Singapore	Nov. 8–22	.....	38	

YELLOW FEVER.

Barbados:				
Bridgetown	Dec. 12–29	2	2	
Brazil:				
Manaos	Nov. 29–Dec. 19	.....	3	
Para	Nov. 22–Dec. 26	13	13	
Cuba:				
Oriente province—				
San Luis	Jan. 1–2	2	1	
Ecuador:				
Guayaquil	Nov. 29–Dec. 12	.....	4	
Martinique:				
Fort de France	Dec. 13–19	1	.....	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–26	2	2	
Merida	Dec. 6–26	7	5	Aug. 22–Dec. 18, 5 cases not previously reported.
Sodzil plantation	Dec. 13–26	6	4	
Veracruz	Dec. 6–26	9	8	
Ytzincab	Dec. 18	2	.....	

PLAGUE.

Australia:				
Brisbane	Nov. 1–7	1	1	
Brazil:				
Pernambuco	Nov. 1–15	3	.....	
Rio de Janeiro	Nov. 16–Dec. 13	31	14	
Chile:				
Iquique	Nov. 22–28	1	1	
China:				
Tientsin	Oct. 18–Nov. 21	.....	.....	Still present.
Tongshan	Nov. 1–14	.....	.....	Present
Ecuador:				
Guayaquil	Nov. 29–Dec. 12	.....	3	
Milagro	Nov. 17–30	11	6	
Egypt:				
Alexandria	Nov. 14–Dec. 4	3	.....	
Port Said	Dec. 4	1	.....	
Provinces—				
Assiout	Dec. 2–8	1	1	
Beherach	Nov. 24–Dec. 10	7	.....	
Garbieh	Nov. 27–28	3	.....	
Girgeh	Oct. 18–Dec. 10	1	.....	
Fayoum	Nov. 28–Dec. 1	1	1	
Menouf	Nov. 27–Dec. 8	116	22	
India:				
Bombay Presidency and Sind.	Nov. 2–21	3,805	2,691	
Madras Presidency	Nov. 2–21	252	172	
Bengal	Nov. 2–21	235	209	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
United Provinces	Nov. 2-21	117	98	
Punjab	Nov. 2-21	1,085	876	
Burma	Nov. 2-21	90	87	
Central provinces, including Berar.	Nov. 2-21	500	408	
Coorg	Nov. 2-21	5	3	
Mysore State	Nov. 2-21	683	451	
Hyderabad State	Nov. 2-21	156	135	
Central India	Nov. 2-21	292	235	
Rajputana	Nov. 2-21	196	202	
Grand total		7,596	5,606	
Indo-China:				
Cholen	Oct. 25-Nov. 21	10	9	Including Chuquan.
Saigon	Oct. 25-Nov. 28	4	4	
Japan:				
Formosa	Nov. 8-14	17	5	
Mauritius	Oct. 2-29		27	
Peru:				
Callao	Nov. 13-19	2		
Chiclayo	Nov. 13-19	3	2	
Eten	Nov. 13-19	3	3	
Ferrenafe	Nov. 13-19	3	1	
Lima	Nov. 13-19	6	3	
Mollendo	Nov. 13-19	2	1	
Monsefu	Nov. 13-19	2		
San Jose (Lambayeque)	Nov. 13-19	1		
San Pedro	Nov. 13-19	2	1	
Trujillo	Nov. 13-19	6	1	
Siam:				
Bangkok	Sept. 27-Oct. 24	5	1	
Turkey in Asia:				
Bagdad	Nov. 6-Dec. 5	14	5	

SMALLPOX.

Arabia:				
Aden	Nov. 25-Dec. 7		25	
Brazil:				
Pernambuco	Nov. 1-15		22	
Rio de Janeiro	Nov. 16-Dec. 13	718	369	
Santos	Nov. 1-Dec. 6		9	
São Paulo	Nov. 1-Dec. 6		22	
Canada:				
British Columbia—				
Victoria	Dec. 12	25	4	
Manitoba—				
Winnipeg	Dec. 20-Jan. 2	3		
Ontario—				
Toronto	Nov. 8-28	7		
Nova Scotia—				
Halifax	Dec. 13-Jan. 2	5		
Yarmouth	Dec. 1-31	1		
Ceylon:				
Colombo	Nov. 1-21	62	13	
China:				
Amoy	Oct. 11-Nov. 8		2	
Shanghai	Nov. 11-Dec. 5			Present.
Cuba:				
Habana	Dec. 26	1		On s. s. Floride.
Egypt:				
Cairo	Nov. 19-Dec. 9	9	5	
France:				
Paris	Nov. 22-Dec. 12	8	1	
Greece:				
Athens	Nov. 22-Dec. 12		3	
Great Britain:				
Bristol	Dec. 13-19	1		
India:				
Bombay	Nov. 25-Dec. 8		2	
Calcutta	Nov. 1-28		11	
Madras	Nov. 28-Dec. 4	1		
Rangoon	Nov. 22-28	1		
Indo-China:				
Cholen	Nov. 15-21	1	1	
Saigon	Nov. 1-28	2		

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Cholera, yellow fever, plague, and smallpox—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy, general	Nov. 30-Dec. 20	36		
Florence	Nov. 24-30	2		
Genoa	Dec. 1-15	1		
Naples	Dec. 7-20	36	10	
Polesella	Dec. 1			Epidemic.
Japan:				
Formosa	Nov. 29-Dec. 5	3		
Java:				
Batavia	Nov. 1-28	10		
Malta	Nov. 22-28	1		On vessel.
Mexico:				
Mexico City	Nov. 8-Dec. 5		22	
Norway:				
Christiania	Nov. 22-28	1	1	
Persia:				
Teheran	Sept. 18-Oct. 27		10	
Peru:				
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-14	2	2	
Portugal:				
Lisbon	Nov. 30-Dec. 19	5		
Russia:				
Moscow	Nov. 29-Dec. 12	49	12	
Riga	Nov. 29-Dec. 19	4		
St. Petersburg	Nov. 15-Dec. 12	16	4	
Warsaw	Nov. 1-28		10	
Servia:				
Belgrade	Dec. 6-12	2		
Spain:				
Barcelona	Dec. 6-19		4	
Madrid	Nov. 1-30		9	
Valencia	Nov. 29-Dec. 19	7	3	
Vigo	Nov. 30-Dec. 5		1	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Turkey in Europe:				
Constantinople	Dec. 7-20		21	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Dec. 19	178,210	60									1	2	1
Aguascalientes	Dec. 20	40,000	30	2										
Do	Dec. 27	40,000	44	2					3					1
Aix-la-Chapelle	Dec. 5	158,667	55	7										2
Amsterdam	Dec. 19	565,222	122	11						1		3	1	4
Athens	Dec. 5	241,058	51	11					2					
Do	Dec. 12	241,058	95	11				1					3	
Bagdad	Nov. 21	250,000			2									
Do	Nov. 28	250,000			2									
Barcelona	Dec. 19	600,000	284	22				1	4	18		4		2
Barranquilla	Dec. 5	40,000	26	2										
Do	Dec. 12	40,000	14	2										
Basel	...do	131,000	25	1										
Belfast	Dec. 19	380,344	144	23						2		1		
Belize	Dec. 24	9,113	3											
Bergen	Dec. 12	87,749	26									4	4	
Berlin	Dec. 5	2,108,777	567	74						1	14	16	7	4
Do	Dec. 12	2,108,777	559	86						1	16	11	4	5
Birmingham	Dec. 19	558,336	145								1	4	5	2
Bluefield	...do	2,500	2											
Bombay	Dec. 8	977,822	629	49	7			1						1
Brussels	Dec. 12	630,078	192	34							1	2	1	
Cairo	Dec. 9	692,657	411	31				3	2	4		13		
Calcutta	Nov. 14	847,796	445	25	5	8		2						
Do	Nov. 21	847,796	433	22	5	12		2						
Do	Nov. 28	847,796	409	22	8	11		6						

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Weekly mortality table, foreign and insular cities -Continued.

Cities	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough
Cartagena	Dec. 5	30,000	13	2										
Do	Dec. 13	30,000	11											
Do	Dec. 20	30,000	9											
Ceiba	Dec. 19	6,500	1											
Cholon	Oct. 31	15,000			4									
Do	Nov. 15	15,000			3	1								
Do	Nov. 21	15,000			2			1						
Cienfuegos	Dec. 19	37,000	10											
Do	Dec. 26	37,000	11	1										
Cognac	Dec. 19	19,483	3											
Colon	Dec. 20	16,000	15											
Constantinople	Dec. 13	1,000,000	328	31				15		13			1	
Damascus	Dec. 5	250,000	47											
Dresden	Dec. 12	545,200	150	11						2	1	5		1
Dundee	Dec. 19	161,173	55								1			
Durban	Nov. 28	60,972	17	3										
East London	...do	49,253	12	1										
Do	Dec. 5	49,253	8	1										
Fiume	Dec. 21	49,500	24	12										
Flushing	Dec. 19	20,257	5											
Fort de France	...do	27,069	18											
Frontera	Dec. 12	9,000	6											
Do	Dec. 19	9,000	5											
Geneva	Dec. 5	118,500	30								1			
Georgetown	Dec. 12	56,000	55	8										
Gothenburg	...do	160,500	41	8								4		2
Greenock	Dec. 19	71,783	24									1		
Guayaquil	Dec. 5	75,000	62	9	1		3			1				1
Do	Dec. 12	75,000	67	14	2		1		1					
Halifax	Dec. 28	40,757	15	3						1		3		
Hamburg	Dec. 19	854,472	280	29						1	8	1	6	6
Hamilton, Bermuda	Dec. 28	20,206	5											
Havre	Dec. 12	132,430	70	11										
Hilo, Hawaii	...do	3,500	5	1										
Honolulu, Hawaii	...do	39,306	8	1										
Kobe	Dec. 5	363,593	147							6				
Lausanne	...do	56,000	11											
Liverpool	Dec. 19	753,203	235								1	5	3	6
London	...do	4,795,757	1,359	123						14	14	24	51	4
Lubeck	Dec. 12	96,000	32	4										2
Do	Dec. 19	96,000	33	5								3		1
Madras	Nov. 27	509,346	434			15							1	
Do	Dec. 4	509,346	416			4		1					2	
Manaos	Dec. 5	50,000	30	4			2			2				
Manchester	Dec. 19	649,251	243							2	5	4	8	5
Manzanillo	...do	1,740	2	1										
Matamoros	...do	8,000	5											
Do	Dec. 26	8,000	4											
Mazatlan	Dec. 12	22,000	27											
Milan	Nov. 29	900,000	205	38						4				
Do	Dec. 6	900,000	212	36						5			1	
Moncton, N. B	Dec. 28	13,500	6	2										
Monrovia	Nov. 21	7,000	4											
Do	Nov 28	7,000	6											
Monterey	Dec. 27	100,000	46	4										
Montreal	Dec. 19	378,856	140	15						6	1	4	4	
Munich	Dec. 12	556,000	195	30							3	2	1	1
Nantes	Dec. 20	133,247	45	9						1				
Newcastle-on-Tyne	Dec. 19	272,961	120									2	1	1
Nuevo Laredo	Dec. 26	8,000	3	1										
Patras	Dec. 15	40,000	27	5							6	3		
Plymouth	Dec. 19	122,113	40											
Port Elizabeth	Dec. 5	32,959	22	3										
Port of Spain	Dec. 12	60,000	42	8										
Rangoon	Nov. 28	252,155	154	10	2	1		1						
Rio de Janeiro	Nov. 22	811,443	413	79	4			116		1			1	1
Do	Nov. 29	811,443	365	57	4			84		1	1	4	7	
Rotterdam	Dec. 19	411,027	135							1	4	2		
Saigon	Oct. 31	37,465			1									
Do	Nov. 7	37,465			2									
St. Petersburg	Dec. 14	1,678,000	690	100		48		2		12	25	16	11	11
San Feliu de Guixols	Dec. 19	11,094	5											
Santa Cruz de Teneriffe	Dec. 12	46,000	14	2										
Santiago de Cuba	Dec. 19	45,497	17	3								1		
Do	Dec. 26	45,497	13	1										

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Santos	Nov. 22	75,000	37	3				2		1				
Singapore	do	260,000	306	31		10				4				
Southampton	Dec. 22	122,196	31	4								1		1
South Shields	Dec. 19	115,585	35								1			1
Stettin	Dec. 12	230,000	68	1								1	2	
Stockholm	Dec. 5	337,460	83	14						1				1
Teheran	Oct. 27	220,000	222	14				10		43	7	11	8	6
Turin	Dec. 13	373,701	153	16						1	1			
Vevey	Dec. 5	14,000	2											
Victoria, B. C	Dec. 26	27,500	7	1										
Vienna	Dec. 12	2,042,426	637	87						1	6	4	13	7
Vigo	Dec. 19	40,000	17	4									4	
Warsaw	Nov. 21	751,595	254	56				2		2	7	6	13	
Do	Nov. 28	751,595	266	46				3		5	7	1	14	1
West Hartlepool	Dec. 19	66,750	22							1				
Winnipeg	Dec. 26	118,000	24											
Yokohama	Nov. 30	378,884								4		1		
Do	Dec. 7	378,884								3	1	3		
Zanzibar	Nov. 21	75,000	24	6										

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Week ended January 9.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Sick inspected	6
Plague	0
Dead inspected	107
Plague	0
Necropsy held	1
Premises inspected	11,191
Houses disinfected	14
Houses destroyed	2
Buildings condemned	14
Nuisances abated	858
Rats found dead	66
Rats trapped	2,214
Total rats taken	2,280
Rats identified:	
Mus norvegicus	1,561
Mus rattus	50
Mus musculus	622
Total	2,233
Rats identified as to sex	1,515
Male	643
Female	872
Rats examined bacteriologically	1,396
Plague rats	0
Poisons placed	91,038

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OAKLAND, CAL.

Week ended January 2.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Dead inspected	41
Plague	0
Necropsies held	4
Premises inspected	935
Nuisances abated	306
Premises cleaned	230
Garbage cans installed	222
Places made rat-proof	16
Rats trapped	587
Rats examined bacteriologically	564
Plague rats	0
Mice trapped	68
Mice examined bacteriologically	68
Plague mice	0

POINT RICHMOND, CAL.

Week ended January 2.

Dead inspected	1
Plague	0
Nuisances abated	27
Premises inspected	490
Rats found dead	22
Rats trapped	35
Rats examined bacteriologically	35
Plague rats	0
Poisons placed	14,000

ALAMEDA COUNTY, CAL.

Week ended January 2.

Sick inspected	15
Plague	0
Dead inspected	68
Plague	0
Necropsies held	5

CONTRA COSTA COUNTY, CAL.

Week ended January 2.

Dead inspected	2
Plague	0
Necropsy held	1

Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson reports, January 8:

Animals examined in laboratory at Los Angeles, Cal., from December 28, 1908, to January 3, 1909:

Ground squirrels	182
Gray rats	220
Black rats	22
Gambel pocket mouse	5
White rats	5

None of these animals was found to be infected with plague.

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Reports from Seattle, Wash.—Plague-prevention work—Inspection of vessels in connection with plague-prevention work, December, 1908.

Passed Assistant Surgeon Glover reports, January 7 and 11:

SEATTLE, WASH.

Week ended January 9.

Date of finding of last plague rat	September 26, 1908
Rats received	439
Rats necropsied	383
Plague rats	0
Plague infected rats to date	21
Vessels inspected	10
Vessels fumigated	5

During the month of December, 1908, there were 12 vessels fumigated and 71 inspected in connection with plague-prevention work in Seattle.

Summary of plague laboratory work, month of December, 1908.

Assistant Surgeon Chapin reports, January 4, through Passed Assistant Surgeon Glover:

Work done in the plague laboratory for the month of December, 1908.

During the month 4,901 rats were delivered at the laboratory, of which 4,843 were necropsied. No plague-infected rats were found. The last plague infected rat was found September 26, 1908. The flea count averaged about one flea per rat. Of 998 female rats, 318 were pregnant.

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*San Francisco and county.*—Month of November, 1908. Estimated population, 425,000. Total number of deaths 519, including enteric fever 14, measles 1, scarlet fever 4, whooping cough 1, diphtheria 4, and 59 from tuberculosis.

INDIANA—Month of November, 1908. Estimated population, 2,648,594. Total number of deaths, 2,668, including tuberculosis 318, enteric fever 113, diphtheria 88, scarlet fever 5, and 20 from whooping cough.

Morbidity: Diphtheria, 361 cases in 55 counties; enteric fever, 441 cases in 70 counties; smallpox, 52 cases in 10 counties.

IOWA—*Cedar Rapids.*—Month of December, 1908. Estimated population 33,000. Total number of deaths, 22, including enteric fever 1, and 1 from tuberculosis. Cases: Enteric fever 3, scarlet fever 7, and diphtheria 3.

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KENTUCKY—*Newport.*—Annual report for the year 1908. Estimated population 35,000. Total deaths, 487, including smallpox 1, enteric fever 15, diphtheria 8, measles 2, whooping cough, 2, and 69 from tuberculosis. Cases: Smallpox 23, scarlet fever 12, diphtheria 18.

LOUISIANA—*New Orleans.*—Month of December, 1908. Estimated population, 351,000 (258,000 white, 93,000 colored). Total number of deaths, 597 (380 white, 217 colored), including diphtheria 3 (1 white, 2 colored), enteric fever 9 (7 white, 2 colored), scarlet fever 1 (white), and 77 from tuberculosis, of which 34 were white and 43 colored. The death rate per 1,000 population per annum for the month was: White, 17.67; colored, 20.41. Total white and colored, 20.41.

MARYLAND—*Hagerstown.*—Month of December, 1908. Estimated population 50,000. Total number of deaths 58, including enteric fever 1, diphtheria 2, and 3 from tuberculosis. Cases: Enteric fever 1, diphtheria 7, measles 4.

MASSACHUSETTS—*Newton.*—Month of December, 1908. Estimated population, 38,203. Total number of deaths, 42, including diphtheria 1, enteric fever 1, and 4 from tuberculosis. Cases of contagious diseases reported: Diphtheria 31, enteric fever 1, scarlet fever 18, and tuberculosis 12.

MINNESOTA—*St. Paul.*—Month of November, 1908. Estimated population, 220,000. Total number of deaths reported to the department of health, 158, including diphtheria 10, enteric fever 4, whooping cough 1, and 16 from tuberculosis. Cases: Diphtheria 133, scarlet fever 50, measles 4, and smallpox 38.

MISSOURI—*Springfield.*—Month of December, 1908. Estimated population, 35,000. Total number of deaths, 31, including 4 from tuberculosis. Cases: Smallpox 1, scarlet fever 12, diphtheria 10.

NEW HAMPSHIRE—*Franklin.*—Month of December, 1908. Estimated population, 7,200. Total number of deaths, 4, including 1 from diphtheria. Cases: Diphtheria 2.

NORTH CAROLINA—Month of November, 1908. Estimated population, 1,893,810. Reports of state board of health from 92 counties show as follows: Measles in 8 counties, whooping cough in 21 counties, scarlet fever in 35 counties, diphtheria in 39 counties, enteric fever in 47 counties, malarial fever in 10 counties, pernicious malarial fever in 3 counties, hemorrhagic malarial fever in 6 counties, and smallpox in 5 counties, viz: Bertie, 1; Catawba, 1; Currituck, 3; Johnston 1, and Pasquotank 17.

OHIO—*Toledo.*—Month of November, 1908. Estimated population, 187,453. Total number of deaths, 173, including diphtheria 5, enteric fever 9, scarlet fever 5, and 22 from tuberculosis. Cases of contagious diseases reported: Diphtheria 37, measles 4, scarlet fever 23.

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Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to January 22, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Arkansas:				
Little Rock	Dec. 15–Jan. 2	23		
Texarkana	Nov. 26–Dec. 18	3		
Total for State		26		
California, general	Nov. 1–30		2	
Los Angeles	Dec. 6–Jan. 9	6		
Oakland	Nov. 1–Dec. 31	6		
Sacramento	Nov. 1–30	15		
San Francisco	Dec. 13–Jan. 9	14		
Stockton	Nov. 1–30	12		
Total for State		53	2	
District of Columbia:				
Washington	Dec. 28–Jan. 2	1		
Total for District		1		
Illinois:				
Belleville	Dec. 4–20	3		
Cairo	Jan. 7	12		
Chicago	Jan. 3–9	1		
Peoria	Dec. 20–26	4		
Total for State		20		
Indiana:				
Carroll County	Oct. 1–31	26		
Clay County	Oct. 1–31	8		
Dearborn County	Oct. 1–31	1		
Elkhart County	Oct. 1–31	1		
Madison County	Oct. 1–31	1		
Anderson	Dec. 1–31	1		
Sullivan County	Oct. 1–31	2		
Tippecanoe County	Oct. 1–31	4		
Lafayette	Dec. 15–Jan. 11	18	1	
Vanderburg County	Jan. 15	2		
Evansville	Jan. 10–16	2		
Vigo County	Oct. 1–31	1		
Total for State		65	1	
Kansas:				
Atchison County—				
Atchison	Dec. 20–26	1		
Barton County	Nov. 1–30	7		
Bourbon County	Nov. 1–30	1		
Brown County	Nov. 1–30	15		
Crawford County—				
Pittsburg	Nov. 1–Dec. 31	107		
Harvey County	Nov. 1–30	3		
Jackson County	Nov. 1–30	85		
Montgomery County	Nov. 1–30	11		
Pottawatomie County	Nov. 1–30	22		
Reno County	Nov. 1–30	2		
Riley County	Nov. 1–30	2		
Saline County	Nov. 1–30	16		
Shawnee County	Nov. 1–30	2		
Topeka	June 7–Jan. 2	22		
Sumner County	Nov. 1–30	5		
Wilson County	Nov. 1–30	5		
Total for State		306		
Kentucky:				
Covington	Dec. 29–Jan. 9	3		
Henderson		7		Year 1908.
Lexington	Dec. 28–Jan. 2	2		
Newport		23	1	Do.
Total for State		35	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Louisiana:				
New Orleans	Dec. 20-Jan. 9	5		
Total for State		5		
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-Jan. 9	66		
Total for State		117		
Massachusetts:				
Taunton	Jan. 3-9	1		
Total for State		1		
Michigan:				
Barry County	Nov. 1-30	2		
Delta County	Nov. 1-30	1		
Ingham County—				
Lansing	Nov. 1-30	6		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Muskegon County	Nov. 1-30	13		
St. Clair County	Nov. 1-30	1		
Port Huron	Nov. 1-30	2		
		28		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct, 20-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-30	8		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16—Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicolett County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Oct. 6-Dec. 13	57		
Renville County	Dec. 1-7	1		
St. Louis County				
Duluth	Nov. 9-16	2		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Saseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-30	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-7	4		
Yellow Medicine County	Oct. 20-26	1		
Total for State		223		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Missouri:				
St. Joseph	Dec. 1-31	1		
St. Louis	Dec. 20-Jan. 9	3		
Springfield	Nov. 1-Dec. 31	2		
Total for State		6		
Montana:				
Butte	Dec. 2-15	6		
Total for State		6		
Nebraska:				
Lincoln	Nov. 1-30	3		
South Omaha	Dec. 20-26	1		
Total for State		4		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		8		
North Carolina:				
Bertie County	Nov. 1-30	1		
Catawba County	Nov. 1-30	1		
Currituck County	Nov. 1-30	3		
Johnston County	Nov. 1-30	1		
Pasquotank County	Nov. 1-30	17		
Total for State		23		
Ohio:				
Cincinnati	Dec. 12-Jan. 8	38		
Newark		3		Year 1908.
Tiffin	Jan. 3-9	1		
Total for State		42		
Oregon:				
Clackemas County	Sept. 1-30	1		
Harney County	Sept. 1-30	1		
Jackson County	Oct. 1-31	1		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Oct. 31	3		
Multnomah County, Portland.	Nov. 1-30	29		
Polk County	Sept. 1-Oct. 31	8		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept, 1-30	1		
Wallowa County	Oct. 1-31	1		
Washington County	Oct. 1-31	17		
Yamhill County	Sept. 1-30	7		
Total for State		75		
Pennsylvania:				
Gracedale	Oct. 24	1		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 19-25	1		
Pittsburg	Dec. 13-19	1		Imported.
Total for State		3		
Tennessee:				
Knoxville	Dec. 28-Jan. 9	3		
Nashville	Dec. 20-26	1		
Total for State		4		
Texas:				
Cost	Oct. 1-Dec. 19			Present.
Falfurrias	Dec. 26	12		
Laredo	Dec. 26	2		
Monthalia	Oct. 1-Dec. 19			Do.
Oak Forest	Oct. 1-Dec. 19			Do.
San Antonio	Dec. 13-Jan. 9	21		
San Augustine County	Jan. 5			Do.
Total for State		35		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Utah:				
Davis County	Nov. 1–30	5		
Weber County	Nov. 1–30	1		
Total for State		6		
Washington:				
Seattle	Nov. 1–30	7		
Spokane	Dec. 6–Jan. 2	3	1	
Tacoma	Dec. 14–20	14		
Total for State		24	1	
Wisconsin:				
La Crosse	Dec. 13–Jan. 9	14		
Manitowoc	Dec. 13–19	4		
Milwaukee	Dec. 6–Jan. 9	17		
Total for State		35		
Grand total for the United States		1,286	5	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Jan. 9	38,973	15					4		1					
Ann Arbor, Mich	do	14,509	7		1			5				1			
Auburn, N. Y	Dec. 12	30,345	7	1	1	1				2					
Do	Dec. 19	30,345	12	2	3					1				1	1
Do	Dec. 26	30,345	8	2	2	1				1				1	
Do	Jan. 2	30,345	4			2								1	
Baltimore, Md	Jan. 9	508,957	204	24	27	16	6	12		15	5	54	1		
Bayonne, N. J	Jan. 11	32,722		1				2		6		9			
Beaver Falls, Pa	Jan. 9	13,000		1				1							
Berkeley, Cal	Jan. 2	13,214	15	1	1					1		3			
Biddeford, Me	Jan. 9	16,145	12		2										
Binghamton, N.Y.	do	38,647	19		1										
Boston, Mass	do	560,892	286	86	34	21	1	76	2	64	3	43		37	3
Braddock, Pa	do	15,654	9		1					1				1	
Bradford, Pa	do	15,029	3					1						2	
Brockton, Mass	do	40,063	13	1				3				17		4	
Cambridge, Mass	do	91,886	28	3	2	1		25	1	4		16			
Camden, N. J	do	75,935	33			1		4		6	1	6			
Carbondale, Pa	do	13,536	6	1	1	1				1		1			
Charlotte, N. C	Jan. 8	18,091	12		2									1	
Chelsea, Mass	Jan. 9	34,072	12					1		1		1		1	
Chicago, Ill	do	1,698,575	581	79	63	35	3	189	8	158	19	78	1	27	1
Chicopee, Mass	do	19,167	7		2			2		3		1		2	
Cincinnati, Ohio	Jan. 8	325,902	110	13	17	3	1	12		11		2			
Cleveland, Ohio	do	381,768	130	25	8	15	1	24		46	2	9		20	
Columbus, Ga	Jan. 2	17,614	2		1										
Do	Jan. 9	17,614	3												
Covington, Ky	do	42,938	13		3	1		1							
Danville, Ill	Jan. 10	16,534	7		1			4		1		1			
Dayton, Ohio	Jan. 9	85,333	31	4	5					2					
Detroit, Mich	do	285,704	123					7	1	14					
Duluth, Minn	Jan. 7	80,000	15	4	1			13		27					
Dunkirk, N. Y	Jan. 9	11,616	2	1				1		1					
Elkhart, Ind	do	15,184	5	3	1			2		1		6			
Elmira, N. Y	do	35,672	6	27	2	1		1		1					
El Paso, Tex	Jan. 5	15,905	17		7	1				1	1	1			
Evansville, Ind	Jan. 2	59,007	15	4	2	4	1	2		2				1	
Do	Jan. 9	59,007	8		2	1		1		3					
Everett, Mass	do	24,336	8	2		3		6		2	1	2			
Fall River, Mass	do	104,863	61	8	8	1		6		1	1	1			
Findlay, Ohio	do	17,613	4		1			2							

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Fort Wayne, Ind.	Jan. 2	45,115	13		2	2				2					
Do	Jan. 9	45,115	20		1					1					
Galesburg, Ill.	Jan. 8	18,607	6					1							
Galveston, Tex	...do	37,789	4	1			1	1							
Glens Falls, N. Y.	Jan. 9	13,543	5		1	1									
Gloucester, Mass.	Jan. 2	26,121	9												
Do	Jan. 9	26,121	10								2				
G'd Rapids, Mich.	...do	87,565	26	4	2	2		11	1	3				5	
Greensboro, N. C.	...do	10,035	5		2							1			
Greenville, S. C.	Jan. 2	11,860	5					2							
Harrison, N. J.	Jan. 9	10,596	8	1	1										
Hartford, Conn	Jan. 10	79,850	24		1	1		3		7	1			1	
Haverhill, Mass.	Jan. 9	37,175	15	7	1	2		3		7					
Hoboken, N. J	...do	59,364						3		7	1	2			
Indianapolis, Ind.	Jan. 10	169,164	52		3			4		27	2	10			
Jacksonville, Fla.	Jan. 9	28,429	19		1	1	1			4					1
Jersey City, N. J.	Jan. 3	206,433	104	3	6	3	1	18	8	12		54		7	1
Do	Jan. 10	206,433	96		9			26	6	12		69	1	1	
Johnstown, Pa	Jan. 9	35,936	18		1	6	1	5		8		1			
Kalamazoo, Mich.	...do	24,404	11	2	1	2								1	
Kearny, N. J	...do	10,896	6					3	1						
Kingston, N. Y	...do	24,535	7				1								
Knoxville, Tenn	...do	32,637					1			1		23			
La Crosse, Wis.	...do	28,895	2					1		3				1	
La Fayette, Ind	Jan. 11	18,116	3									1			
Lancaster, Pa	Jan. 9	41,456	14					4							
Lawrence, Mass	...do	62,559	34		3			1		3		21			
Lebanon, Pa	...do	17,628	3	2				2		1		2			
Little Falls, N. Y.	...do	10,381	4												
Los Angeles, Cal.	Jan. 2	102,479	78	5	12	3		40	1	3		1			
Lowell, Mass	Jan. 9	94,969	39	4	5	3		1	1	11	1	1		1	
Lynchburg, Va.	...do	18,891						1		2				1	
Lynn, Mass	...do	68,513	19		2	1		3	1	6	1	1			
Manchester, N. H.	...do	56,987	24	2	2			6		17		1			
Manitowoc, Wis.	...do	11,786	2	1		2				5	1	5			
Mansfield, Ohio	...do	17,640				1		1							
Marinette, Wis	...do	16,195	4	1	1										
Marion, Ind	..do	17,337	2												
Marion, Ohio	Jan. 7	11,862						3							
Medford, Mass.	Jan. 9	18,244	7					2		4					
Melrose, Mass	Jan. 2	12,962	5				1	3		2					
Milwaukee, Wis	...do	285,315	84	12	12	13	1	22		15	3	7			
Do	Jan. 9	285,315	89	9	14	14	2	33	2	20	1	29	2	5	1
Mobile Ala	Dec. 26	38,469	24		4			1		2					
Do.[a]	Dec. 31	38,469	21		4			1		2					
Montclair, N. J	Jan. 9	13,962	7					2	1						
Montgomery, Ala.	Jan. 8	30,346	11												
Moline, Ill	Jan. 10	17,248	5		1		1					3			
Morristown, N. J.	Jan. 9	13,000	3	1				3							
Muncie, Ind	...do	20,942	7				1	1							
Nashville, Tenn	...do	80,865	31	6	4			1		3	1				
Nanticoke, Pa	Jan. 10	12,616	3	1		1				5					
Nebraska City, Nebr	Jan. 9	7,200	1					2		1					
Newark, N. J	...do	246,070	125		14		1	57	3	23	2				
New Bedford, Mass	...do	63,442	32	7				25		3	1	1	1	8	
New Brunswick, N. J	Dec. 26	20,006						1							
Do	Jan. 2	20,006								4					
Newburyport, Mass	Jan. 9	14,478	6							1	1				
Newton, Mass	...do	33,587	9	1				3		4	1				
New York, N. Y	...do	3,437,202	1,440	507	162	46	6	305	15	394	42	538	12	30	5
Niagara Falls, N. Y	...do	19,457	8	1		10		2		5	1				
Norristown, Pa	Jan. 2	22,265	16	1				1		1					
Do	Jan. 9	22,265	6	1		1		1		1					
North Adams, Mass	...do	24,200	4			2		1				1			
Northampton, Mass	...do	18,643	8					1		2		6			
Oil City, Pa.[b]	...do	13,264	7							1					
Oklahoma City, Okla	...do	43,500	10	8	1			6		1					

[a] Period covers 5 days.

[b] Period covers 9 days.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Orange, N. J	Jan. 9	24,141	8	2	1			2				2			
Ottumwa, Iowa	...do	18,197	7	1		3									
Palmer, Mass	...do	7,801	1												
Philadelphia, Pa	Jan. 2	1,293,697	516	85	57	97	5	48	1	79	17	59	4	9	1
Pittsburg, Pa	...do	321,616	135	47	9	13	1	31	1	20	1	23	1	16	2
Pittsfield, Mass	Dec. 26	21,766	7	2	1										
Do	Jan. 2	21,766	9	1		1		3							
Plainfield, N. J	Jan. 10	15,369	6		2							2			
Plymouth, Pa	Jan. 9	13,649								7		2			
Portsmouth, N. H	...do	10,637	1							1					
Portsmouth, Va	Dec. 29	17,427	5					1		3					
Do	Jan. 5	17,427	4					4		1					
Do	Jan. 12	17,427	7		1			3		2					
Providence, R. I	Jan. 9	175,597	56	2	7	1		4		14	1				1
Racine, Wis	...do	29,102	3					1		2					
Reading, Pa.[a]	Jan. 11	78,961	44	1	2	11	3	18	1	12	1	1		3	
Richmond, Va	Jan. 9	85,050	51	8	8	3		1		2				9	
Rockford, Ill	...do	31,051						2		2					
Rock Island, Ill	...do	19,493	1									2			
Saginaw, Mich	Jan. 2	42,345	16	1	1	4									
St. Joseph, Mo	Dec. 19	102,979	18		1										
Do	Dec. 26	102,979		1	1					3					
Do	Jan. 2	102,979	13		1	1		2		1					
St. Louis, Mo	Jan. 9	575,238	231	30	27	4		25	1	54	8	96	1	3	
San Francisco, Cal	Jan. 2	342,782	131	23	17	7	1	16	2	11	1	51			1
Scranton, Pa	...do	102,026	36	3	1	3	1	11	2	8	1	22			
Do	Jan. 9	102,026	37	1				12	1	17	1	12			
Shamokin, Pa	...do	18,202	8					2				2			
Somerville, Mass	...do	61,645	27	2	2	1		11	2	13	1	3			
South Bend, Ind	...do	35,999	14	1	1			1	1	1		9			
South Omaha, Nebr	...do	26,001								1					
Spokane, Wash	Jan. 2	38,848	32					13		6	2	8			
Springfield, Mass	Jan. 9	62,059	18	3	1					2		11			
Springfield, Ohio	...do	38,253	12	4	1			1		1	1				
Steelton, Pa	...do	12,068	4	1						1	1	1			
Taunton, Mass	...do	31,036	8	2						1					
Tiffin, Ohio	Jan. 2	10,898						4							
Do	Jan. 9	10,898						2							
Titusville, Pa	...do	8,244	4					12							
Topeka, Kans	Jan. 2	33,608	8	1				2		1		1			
Trenton, N. J	Jan. 9	73,307		7		1		1		1					
Waltham, Mass	...do	23,481	8					10	1	2		3			
Washington, D. C	...do	278,718	134	44	11	11	4	27	2	11		305		11	
Wheeling, W. Va	Jan. 2	38,878	18	4	4	1				3					
Do	Jan. 9	38,878	13	2	3							6			
Wilkes-Barre, Pa	Jan. 8	51,721	26	3		1		4		10		8		2	
Wilkinsburg, Pa	Jan. 7	13,000	8	1	1	2		4		2	1	5			
Do	Jan. 15	13,000	8		1			2				2			
Williamsport, Pa	Jan. 9	28,757	8		1			4							
Wilmington, Del	Jan. 2	76,508	19		4				1						
Do	Jan. 9	76,508	22		2										
Winona, Minn	...do	19,714	6	2	2										
Woburn, Mass	...do	14,254	2	2		1				5					
Worcester, Mass	...do	118,421	48	6	6			9		14	2			3	
York, Pa	...do	33,708		5				1						5	

[a] Period covers 2 weeks.

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, December 23 and 30, 1908.]

CHOLERA.

GREECE.—December 12. Arrivals from Taganrog, Novorossysk, Rostov, Kertsch, Theodosia, Odessa, Sebastopol, and Kherson, and from all other ports of the Black Sea between Batoom and Sulina, are free from sanitary police measures. They are, however, still subject to medical inspection.

RUSSIA.—December 11. The governments of Minsk and Tschernigov, the cities of Nikolajewsk and Archangel, the districts of Archangel, Nikolajewsk, and Basuluk (government of Samara), Lipezk, Usman, Borissoglebsk, Kirsanov, Koslov, Jelatma, and Lebedin (government of Tambov) are declared free from cholera. December 22. The city and government of Kief, city and government of Saratov, city and government of Jekaterinaslav, city and district of Tiflis, city and district of Jelissavetpol, the capital city of Baku and the city of Taganrog declared free from cholera.

TURKEY.—December 15. Vessels with or without passengers from any port of the Black Sea—with the exception of Kherson and Taganrog—are subject only to official inspection at the first Turkish port provided with a sanitary inspector. Previously named measures against vessels from Kherson and Taganrog, as well as vessels carrying pilgrims, emigrants, or any aggregations of men from any port of the Black Sea, are still in force.

PLAGUE.

EGYPT.—December 10. Plague regulations in force against arrivals from Sayala. Verawal, and Cananore are declared free of plague.

GERMAN EAST AFRICA.—October 23. The governor of Dar-es-Salaam imposed quarantine and sanitary measures, both land and maritime, on account of the occurrence of plague.

GREECE.—December 12. Sanitary police measures against arrivals from Alexandria replaced by medical inspection.

TURKEY.—December 15. Medical inspection for arrivals from points on the coast between Lith and El Wedj, both included, and against arrivals from Yembo, suspended.

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BRITISH GUIANA.

Report from Georgetown—Quarantine imposed against Paramaribo, Dutch Guiana, on account of yellow fever.

Consul Clare reports, December 26:

The consular agent at Paramaribo, Dutch Guiana, reports under date of December 21, that 7 cases of yellow fever have occurred at that place since December 18, 2 of which terminated fatally.

The authorities at this port have imposed a strict quarantine against Paramaribo.

CHINA.

Report from Hankau—Fatal plague case on steamship.

Consul Martin reports, December 5, the occurrence of a fatal case of plague in the person of a fireman (Chinese) on a steamship in the port of Hankau. The vessel was immediately ordered to the quarantine station at Shanghai. There is no plague in Hankau.

CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, January 4:

Week ended January 2.

Vessels inspected	3
Bills of health issued	3
Members of crews inspected	95

No quarantinable disease was reported during the week.

Week ended January 9. No transactions.

Report from Habana—Inspection and fumigation of vessels—New case of smallpox at Mariel quarantine station from steamship Floride—Proposed quarantine station in Santiago Harbor.

Passed Assistant Surgeon Amesse reports, January 11:

Week ended January 9.

Vessels inspected	25
Bills of health issued	29
Members of crews of outgoing vessels inspected	1,310
Passengers of outgoing vessels inspected	860

No further cases of yellow fever have been reported from the focus recently found in Oriente Province. All the prophylactic measures indicated are being vigorously carried out.

One additional case of smallpox appeared at Mariel quarantine among the passengers taken from the French steamship *Floride* on December 27. (See Public Health Reports January 8, 1909, p. 38.)

Provision for a modern quarantine station to be constructed on Cayo Duan, in the harbor of Santiago de Cuba, was made by the provisional government during the week.

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Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, January 11:

Week ended January 9. Bills of health granted to 4 vessels clearing for ports in the United States in good sanitary condition.

No quarantinable diseases reported within this district.

Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, January 6:

Week ended January 2. Bills of health issued to 4 vessels bound for the United States.

ECUADOR.

Report from Guayaquil—Inspection and fumigation of vessels—Plague and yellow fever—Plague still present at Milagro.

Passed Assistant Surgeon Wightman reports, December 20, through Passed Assistant Surgeon Lloyd:

During the two weeks ended December 12, 2 steamships were fumigated and granted bills of health. They carried an aggregate personnel of 161 in crew, 29 cabin and 50 steerage passengers.

During the week ended December 5, 62 deaths from all causes were recorded for Guayaquil, of which 3 were from yellow fever and 1 from plague.

During the week ended December 12, a total of 67 deaths was recorded, 1 being from yellow fever and 2 from plague.

Plague is still present in Milagro, 6 new cases with 2 deaths having occurred since December 16.

GERMANY.

Report from Berlin—Status of cholera in Russia.

The following is received from Consul-General Thackara, under date of January 2:

According to official statistics published by the imperial health office at Berlin there were registered in the whole of Russia during the week ended December 5, 285 cases of cholera with 129 deaths. During the week ended December 12, there occurred 315 cases with 156 deaths, and during the week ended December 19, there were registered in the whole of the Russian Empire 178 cases with 67 deaths.

GUATEMALA.

Report from Guatemala City—Epidemic smallpox—Compulsory vaccination ordered.

The following is received from Minister Heimke, under date of December 21:

Diligent inquiry has convinced me of the fact that smallpox is spreading in the city of Guatemala with alarming rapidity. Since the beginning of the epidemic, 600 cases of smallpox, with 200 deaths,

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have been officially reported, and 120 cases are reported as being in the lazaretto of the city.

On further inquiry I have found that the city is literally honeycombed with the disease; that there are between 2,500 and 2,800 cases of smallpox at this capital; that there are about 220 cases in the lazaretto (designed to accommodate only 80 patients); that new cases presenting themselves at the lazaretto are being sent away and returned to their houses for lack of room, and that the actual death rate is about 30 per cent. Every passenger arriving by steamship at any of the ports of Guatemala is required to undergo immediate vaccination, but no passenger leaving Guatemalan ports, either for the United States or for any other country, is required to subject himself to vaccination.

The heaviest, and I may say almost the only, passenger traffic between the United States and Guatemala is between New Orleans and Puerto Barrios.

The situation has become so serious that the President of the Republic has found it expedient to issue a decree for the public safety against the further spread of the disease, in which he makes it obligatory upon every person residing in this Republic, without distinction of class, age, sex, or condition, to be vaccinated, under penalty of the payment of a fine for an infringement of the prescriptions of the decree in question.

HAWAII.

Reports from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, plague laboratory, reports, December 26, through Temporary Chief Quarantine Officer Moore:

Week ended December 26.

Rats taken in Honolulu	522
Trapped	522
Found dead	0
Shot from trees	0
Examined bacteriologically	438
Showing plague infection	0

Classification of rats trapped.

Mus rattus	89
Mus norvegicus	32
Mus alexandrinus	58
Mus musculus	343
Total classified	522
Average number of traps set daily	1,462
Rats received from Hilo	13
Hilo rats still being investigated	13

Plague rats at Hilo.

Doctor Currie further reports, January 2:

A sanitary inspector of the territorial board of health reported from Hilo, December 19, 1908, that a number of rats had been found dead in a stable in that city and that smears made from them suggested plague infection. Some cultures from them were sent here.

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Other dead rats have been found since in the same locality and additional cultures have been sent here. In all 40 dead rats have been obtained from the stable in question, and I am able to confirm the diagnosis of plague in the case of 3 rats.

Temporary Chief Quarantine Officer Moore further reports:

At the request of the president of the territorial board of health Passed Assistant Surgeon Currie will proceed to Hilo by the earliest steamer as an advisory expert. This office is cooperating with the board of health in vigorously enforcing the requisite sanitary measures.

INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Eakins reports, December 17:

During the week ended December 12, a bill of health was issued to the steamship *Stolzenfels*, bound for Boston and New York, with a total crew of 71. The usual precautions were taken, the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

During the week ended December 5, there were 9 deaths from cholera, 6 from plague, and 14 from smallpox in Calcutta. In Bengal there were 102 cases of plague with 79 deaths. In India during the same period there were 2,196 cases of plague with 1,626 deaths.

ITALY.

Report from Naples—Inspection of vessels—Emigrants recommended for rejection—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, December 28:

Vessels inspected at Naples week ended December 26.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Dec. 22	Caronia	New York			
23	Germania	do	186	50	320

Rejections recommended.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Dec. 22	Caronia						
23	Germania	9		5		5	19

Smallpox in Naples.—During the week ended December 27, there were 24 cases of smallpox and 10 deaths reported at the health office of the city of Naples. From the date of the introduction of the disease from Marseille, June 13, to the present date, the total number of cases has been 266, with 42 deaths.

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Status of smallpox in Italy.—Week ended December 27. Provinces: Ereviso (Conegliano), 1 case; Potenza (Vaglio), 1 case; Caserta (Brusciano), 11 cases; Caserta (Marigliano), 1 case.

JAPAN.

Report from Yokohama—Inspection and fumigation of vessels—Examination of emigrants.

Passed Assistant Surgeon Cumming reports, December 21:

Bills of health were issued during the 2 weeks ended December 19 to 9 vessels having an aggregate personnel of 156 saloon passengers, 765 steerage passengers, and 1,026 members of crews. All steerage passengers taken on here were bathed and their effects were disinfected.

The steamship *Nikko Maru*, for Manila, was fumigated.

No quarantinable diseases have been reported here.

Number of emigrants:

Per steamship *Iyo Maru*, December 8—for Seattle, advised to wait 6; per steamship *Nippon Maru*, December 9—for Honolulu, advised to wait 11; for San Francisco, advised to wait 1; per steamship *Siberia*, December 16—for Honolulu, rejected 2, advised to wait 5; per steamship *China*, December 23—for Honolulu 1, advised to wait 6.

Report from Kobe—Inspection of vessels—Examination of emigrants.

Temporary Acting Assistant Surgeon Smith reports, December 23:

Week ended December 19. Supplemental bills of health granted to 8 steamships. There were inspected 258 members of crews and 330 steerage passengers; 47 members of crews and 51 steerage passengers were bathed and disinfected and their effects were disinfected by steam. The number of pieces of baggage steamed was 255 and bedding 110. Manifests were viséed for 46,573 pieces of freight, amounting to 4,022 tons.

Emigrants were examined as follows: Steamship *Kaga Maru* for Seattle, passed 31, recommended for rejection 1; steamship *China* for Honolulu, passed 17, recommended for rejection 11. The emigrants passed, together with 3 intending passengers to Victoria by the steamship *Kaga Maru*, were inspected, bathed and disinfected, and their effects were disinfected before embarkation.

MEXICO.

Report from Mexico City—Yellow fever at Veracruz and in Merida and vicinity.

The following is received from Doctor Liceaga, president of the superior board of health, under date of January 7:

During the week ended January 2, 2 cases of yellow fever with 1 death occurred at Veracruz, 2 cases in the city of Merida, 1 case at Sodzil, and 1 case, 1 death, at the plantation of San Bernardo, 9 kilometers distant from Maxcanu.

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Report from Salina Cruz—Inspection and fumigation of vessel.

Acting Assistant Surgeon McPherson reports, January 1:

During the period from December 16 to 31, inclusive, 1 steamship was inspected and fumigated on clearing from this port for the United States.

PERSIA.

Report from Tabriz—Epidemic scarlet fever—Cholera still prevalent.

Consul Doty reports, December 9:

During the past 3 months more than 10,000 deaths have occurred here, including 300 Armenians, from a most virulent form of scarlet fever, deaths resulting in many cases after 5 or 6 hours. There is at present no apparent abatement of the disease.

There have been about 500 deaths from cholera during the past 2 months. This malady continues here despite a recent fall of snow, 10 or 12 inches on the level.

A hospital is to be opened especially to meet the emergency of these epidemics.

PERU.

Report from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Smallpox at Lima—Plague at Iquique, Chile—Smallpox in vicinity of Talcahuano, Chile.

Acting Assistant Surgeon Gutierrez reports, December 17:

During the week ended December 12, 3 vessels were fumigated and granted bills of health. They carried an aggregate personnel of 208 in the crew, 100 cabin and 118 steerage passengers.

The following is the latest report of plague in Peru received from the Director de Salubridad Publica:

Locality.	Cases, Nov. 20.	New.	Recovered.	Died.	Remaining, Dec. 3.
Lima	9	7	4		12
Callao	2		1		1
Trujillo (city)	30	6	9	13	31
Trujillo (country)		17			
Chepen	7	4	1	2	8
Lambayeque	1				1
San Pedro	6	7	1	3	9
Monsefu	3		3		
Chiclayo	1	5		3	3
Ferreñafe	2	4	3	1	2
Eten		3		2	1
Mollendo	1	2		1	1
Hacienda Oyotun	4				4

From November 20 to December 10, 4 cases of smallpox were reported at Lima. On December 10 there were 6 cases isolated in the hospital.

Since November 16 no new cases of plague have been reported at Callao.

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Bills of health report plague in Chile as follows: December 6, 1 case of plague in the lazaretto at Iquique; 1 case in two weeks. A bill of health from Talcahuano reports, November 20, that there is smallpox 10 miles in the interior.

PHILIPPINE ISLANDS.

Reports from Manila—Cholera in Manila and the Provinces—Cholera decreasing in Manila—Inspection of vessels—Quarantine transactions, October, 1908.

Chief Quarantine Officer McClintic reports, December 8:

Week ended December 5.

Seven new cases of cholera with 5 deaths were reported for the city of Manila.

Cholera is gradually disappearing from the city, only a few sporadic cases being reported during the past week. The house-to-house inspection that was again put in force a week or so ago has been discontinued, as it did not show that the decrease in the number of cases was largely due to concealing and not reporting cases.

The bureau of health is making every endeavor to improve the sanitary condition of the city, particularly in the tenement districts, in order to prevent further outbreaks of the disease in the future. The extent of the undertaking may be appreciated when it is taken into consideration that much of the land in Manila is low and marshy, and that many of the lower classes have their homes in these wet, insanitary localities.

During the week the following cases and deaths were reported as having occurred in the provinces:

Province.	Cases.	Deaths.
Samar	7	0
Bulacan	23	19
Leyte	24	17
Ilocos Sur	14	12
Capiz	112	63
Cavite	3	3
Iloilo	14	4
Occidental Negros	46	31
Antique	52	30
Laguna	2	2
Ilocos Norte	45	35
Cagayan	18	11
Total	360	227

During the week consular bills of health were issued as follows: December 4, the British steamship *Seneca*, with 49 in the crew and with 1 passenger, en route from Macassar to Boston and New York, was granted a supplemental bill of health after the usual inspection of cargo and personnel. December 5, the British steamship *Muncaster Castle*, with 47 in the crew, en route from New York to Iloilo, was granted a supplemental bill of health. The crew was inspected prior to sailing.

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Quarantine transactions of the Service in the Philippine Islands during the month of October, 1908.

PORT OF MANILA.

Bills of health issued	251
Vessels inspected	105
Passengers on arriving vessels inspected	5,632
Persons vaccinated	21
Members of crews on arriving steamships inspected	17,231
On arriving sailing vessels inspected	45
Persons quarantined for observation, suspects, and contacts	355
Persons bathed and effects disinfected	1,426
Persons in quarantine	355
Persons remaining in quarantine October 31	35
Vessels in quarantine	1
Vessels remaining in quarantine October 31	1
Steamships disinfected	1
Steamships partially disinfected	5
Steamships fumigated to exterminate vermin	7
Sailing vessels fumigated to exterminate vermin	1
Cases of quarantinable diseases detected on vessels, cholera	1
Pieces of baggage disinfected	1,930
Pieces of baggage inspected and passed	334

Incoming.

Vessels remaining in quarantine from September	3
Vessels entering quarantine during the month	86
Steamers sailing without quarantine inspected and passed	24
Vessels disinfected	2
Persons remaining in quarantine from September	106
Members of crews quarantined	2,490
Passengers quarantined	1,395
Members of crews on vessels inspected	6,520
Passengers on vessels inspected	3,535
Members of crews bathed and effects disinfected	280
Passengers bathed and effects disinfected	516
Pieces of baggage disinfected	3,049
Pieces of baggage inspected and passed	2,447
Pieces of miscellaneous cargo certified	40,890

PORT OF ILOILO.

Bills of health issued	9
Vessels inspected	21
Passengers on arriving vessels inspected	612
Members of crews on arriving steamships inspected	1,164
Persons bathed and effects and baggage disinfected	17
Persons detained in quarantine during month	17
Cases of quarantinable diseases detected on vessels, cholera	2
Sailing vessels disinfected	2
Steamships fumigated to exterminate vermin	2
Vessels entering quarantine during the month	2
Pieces of baggage disinfected	51
Pieces of baggage inspected and passed	11

Outgoing.

Vessels sailing without quarantine inspected and passed	17
Members of crews on vessels inspected	155
Passengers on vessels inspected	36

PORT OF CEBU.

Bills of health issued	12
Vessels inspected	78
Passengers on arriving vessels inspected	1,729
Members of crews on arriving steamships inspected	4,969
On arriving sailing vessels inspected	39
Persons bathed and effects disinfected	167

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Persons detained in quarantine	1,444
Steamships disinfected	1
Vessels entering quarantine	25
Case of quarantinable disease detected on vessels, cholera	1
Pieces of baggage disinfected	527
Pieces of baggage inspected and passed	108

PORT OF CAVITE.

Bills of health issued	4
Vessels inspected	1
Passengers on arriving vessels inspected	1
Members of crews on arriving steamships inspected	51

PORT OF OLONGAPO.

No transactions.

PORT OF DAVAO.

No transactions.

PORT OF ZAMBOANGA.

Vessels inspected	9
Passengers on arriving vessels inspected	302
Members of crews on arriving steamships inspected	518

PORT OF JOLO.

Number of vessels inspected	1
Passengers on arriving vessels inspected	17
Members of crews on arriving steamships inspected	57

PORTO RICO.

Report from Ponce—Transactions of service, December, 1908.

Acting Assistant Surgeon Ferrer-Torres reports, January 2, through Chief Quarantine Officer Foster:

Month of December, 1908.

Vessels inspected	13
Vessels disinfected	2
Vessels in quarantine	3
Passengers inspected:	
Incoming	113
In transit	987
Passengers in quarantine	1
Immigrants inspected	22
Rejections	0
Members of crews inspected	793
Bills of health issued	27
Pieces of baggage disinfected	7

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

BRAZIL—*Ceará.*—Month of November, 1908. Estimated population, 50,000. Total number of deaths, 72, including scarlet fever 3, whooping cough 2, and 8 from tuberculosis.

CANADA—*Ontario—Hamilton.*—Month of December, 1908. Estimated population, 63,256. Total number of deaths, 83, including diphtheria 3, and 7 from tuberculosis.

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Quebec—Sherbrooke.—Month of December, 1908. Estimated population, 15,000. Total number of deaths, 22, including diphtheria 1, and 3 from tuberculosis.

CUBA—*Matanzas.*—Seven weeks, ended December 31, 1908. Estimated population, 35,515. Total number of deaths, 115, including diphtheria 2, and 23 from tuberculosis.

EGYPT—*Suez.*—Period from November 11 to December 16, 1908. Estimated population, 19,786. Total number of deaths, 62. Causes deaths not reported.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended December 26, 1908, correspond to an annual rate of 12.8 per 1,000 population, which is estimated at 16,234,952.

London.—One thousand and thirty-seven deaths were registered during the week, including measles 44, scarlet fever 6, diphtheria 17, enteric fever 8, whooping cough 7, tuberculosis 109, and 14 from diarrhea. The deaths from all causes correspond to an annual rate of 11.3 per 1,000. In Greater London 1,461 deaths were registered. In the "outer ring" the deaths included 1 from measles, 1 from scarlet fever, 6 from diphtheria, whooping cough 2, and 2 from enteric fever.

Ireland.—The average annual death rate represented by the deaths registered during the week ended December 26, 1908, in the 21 principal town districts of Ireland was 18.3 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Dundalk, viz, 4, and the highest in Limerick and Lisburn, viz, 27.3 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended December 26, 1908, correspond to an annual rate of 16.1 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 25.7, and the lowest in Perth, viz, 10.4 per 1,000. The aggregate number of deaths registered from all causes was 567, including measles 1, diphtheria 10, scarlet fever 2, enteric fever 5, and 22 from whooping cough.

ITALY—*Genoa.*—Two weeks ended December 15, 1908. Estimated population, 279,163. Total number of deaths, 199, including enteric fever 3, diphtheria 2, measles 1, and 15 from tuberculosis.

RUSSIA—*Siberia—Vladivostok.*—Period from November 4 to December 5, 1908. Estimated population, 79,699. Total number of deaths not reported. One death from typhus fever.

SPAIN—*Malaga.*—Month of September, 1908. Estimated population, 135,000. Total number of deaths, 273, including enteric fever 1 and 19 from tuberculosis.

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Cartagena.—Month of July, 1908. Estimated population 103,373. Total number of deaths, 212, including enteric fever 4, smallpox 15, measles 2, scarlet fever 3, whooping cough 2, diphtheria 7, and 18 from tuberculosis.

WEST INDIES—*St. Thomas.*—Period from November 6 to December 11, 1908. Estimated population, 11,012. Total number of deaths, 24, including 1 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to January 22, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-21	9	5	
India:				
Bombay	Dec. 9-15		16	
Calcutta	Nov. 1-Dec. 5		47	
Madras	Nov. 14-Dec. 11		46	
Negapatam	Oct. 31-Nov. 6		1	
Rangoon	Nov. 8-Dec. 12		9	
Indo-China—Cholen	Nov. 9-15	1	1	
Persia:				
Tabreez	Oct. 9-Nov. 30	1,000	500	Dec. 9, still present.
Philippine Islands:				
Manila	Nov. 1-Dec. 5	77	52	
Provinces—				
Antique	Nov. 1-Dec. 5	150	85	
Bataan	Nov. 1-7	1	1	
Bulacan	Nov. 1-Dec. 5	70	59	
Capiz	Nov. 1-Dec. 5	511	278	
Cagayan	Nov. 1-Dec. 5	46	34	
Cavite	Nov. 1-Dec. 5	55	39	
Ilocos Norte	Nov. 1-Dec. 5	158	125	
Ilocos Sur	Nov. 1-Dec. 5	131	84	
Iloilo	Nov. 1-Dec. 5	230	116	
La Laguna	Nov. 1-Dec. 5	53	37	
Leyte	Nov. 1-Dec. 5	39	27	
Negros Occidental	Nov. 1-Dec. 5	188	128	
Palawan	Nov. 1-28	7	4	
Pampanga	Nov. 1-28	3	3	
Rizal	Nov. 1-28	71	60	
Samar	Nov. 1-Dec. 5	116	83	
Surigao	Nov. 15-21	1		
Union	Nov. 1-7	6	4	
Russia, general	Nov. 15-Dec. 19	1,289	600	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Amolinsk	Nov. 15-Dec. 19	29	13	
Bakoo	Nov. 22-28	3	2	
Batoom	Nov. 15-21	4	2	
Cronstadt	Nov. 15-21	1	1	
Don, territory of	Nov. 15-Dec. 19	122	66	
Ekaterinislav	Nov. 15-Dec. 12	26	11	
Erivan	Dec. 1-19	23	19	
Kerson	Nov. 15-Dec. 19	2		
Kharkov	Dec. 6-12	1		
Kief	Nov. 15-Dec. 12	11	1	
Kooban	Nov. 15-Dec. 19	130	71	
Kostroma	Dec. 6-12	1		
Livonia	Nov. 15-21	2	1	
Moscow district	Dec. 6-12	2	2	
Odessa	Nov. 29-Dec. 12	2	2	
Olonets	Nov. 21-28	1	1	
Poltava	Nov. 29-Dec. 5	3		
Samara gov't dist	Nov. 29-Dec. 5	7	7	
Saratov	Nov. 15-Dec. 12	11	6	
Stavropol	Nov. 15-21	1		
St. Petersburg, government	Nov. 15-Dec. 12	11	3	
St. Petersburg	Nov. 29-Dec. 19	455	141	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Tambov	Nov. 15-Dec. 12	16	8	
Tavride	Nov. 15-Dec. 19	9	5	
Terek, territory of	Nov. 15-Dec. 19	99	62	
Tiflis	Nov. 15-21	9	4	
Tomsk	Nov. 15-Dec. 19	81	37	
Tver, district	Nov. 15-Dec. 5	4	.....	
Volgoda	Dec. 6-12	1	.....	
Yelisavetpol	Nov. 26-Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1-30	.....	.....	Present.
Straits Settlements:				
Singapore	Nov. 8-Dec. 5	.....	67	

YELLOW FEVER.

Barbados:				
Bridgetown	Dec. 12-Jan. 10	4	3	
Brazil:				
Bahia	Nov. 15-Dec. 5	3	2	
Manaos	Nov. 29-Dec. 19	.....	3	
Para	Nov. 22-Dec. 26	13	13	
Cuba:				
Oriente province—				
San Luis	Jan. 1-2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago where 1 case died Dec. 31.
Dutch Guiana:				
Paramaribo	Dec. 1-31	18	4	
Ecuador:				
Guayaquil	Nov. 29-Dec. 19	.....	5	
Martinique:				
Fort de France	Dec. 18-19	1	.....	
Mexico:				
Itzincal plantation	Dec. 6-12	2	2	
Maxcanu	Dec. 6-26	2	2	Aug. 22-Dec. 18, 5 cases not previously reported.
Merida	Dec. 6-Jan. 2	9	5	
San Bernardo plantation	Dec. 27-Jan. 2	1	1	
Sodzil plantation	Dec. 13-Jan. 2	7	4	
Veracruz	Dec. 6-Jan. 2	11	4	

PLAGUE.

Australia:				
Brisbane	Nov. 1-7	1	1	
Brazil:				
Bahia	Nov. 15-Dec. 5	12	6	
Pernambuco	Nov. 1-15	8	.....	
Rio de Janeiro	Nov. 16-Dec. 13	81	14	
Chile:				
Iquique	Nov. 22-28	1	1	
China:				
Hankau	Dec. 5	1	1	On steamship.
Tientsin	Oct. 18-Nov. 21	.....	.....	Still present.
Tongshan	Nov. 1-14	.....	.....	Present
Ecuador:				
Guayaquil	Nov. 29-Dec. 19	.....	4	
Milagro	Nov. 17-Dec. 12	17	8	
Egypt:				
Alexandria	Nov. 14-Dec. 4	8	.....	
Port Said	Dec. 4	1	.....	
Provinces—				
Assiout	Dec. 2-29	2	2	
Beherach	Nov. 24-Dec. 26	11	6	
Galyoobeeyeh	Nov. 21-Dec. 17	1	.....	
Garbieh	Nov. 27-28	3	.....	
Girgeh	Oct. 18-Dec. 30	4	3	
Fayoum	Nov. 23-Dec. 1	1	1	
Menouf	Nov. 27-Dec. 30	147	29	
Minieh	Nov. 25-Dec. 29	1	.....	
India:				
Bombay Presidency and Sind.	Nov. 2-Dec. 17	7,533	5,307	
Madras Presidency	Nov. 2-Dec. 17	478	354	
Bengal	Nov. 2-Dec. 17	639	535	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
United Provinces	Nov. 2-Dec. 17	506	436	
Punjab	Nov. 2-Dec. 17	2,813	2,243	
Burma	Nov. 2-Dec. 17	339	333	
Central provinces, including Berar.	Nov. 2-Dec. 17	1,152	865	
Coorg	Nov. 2-Dec. 17	5	3	
Mysore State	Nov. 2-Dec. 17	1,375	937	
Hyderabad State	Nov. 2-Dec. 17	256	222	
Central India	Nov. 2-Dec. 17	502	395	
Rajputana	Nov. 2-Dec. 17	410	413	
Grand total		16,008	12,043	
Indo-China:				
Cholen	Oct. 25-Nov. 21	10	9	Including Chuquan.
Saigon	Oct. 25-Nov. 28	4	4	
Japan:				
Formosa	Nov. 8-14	17	5	
Mauritius	Oct. 2-Nov. 5		32	
Peru:				
Callao	Nov. 13-Dec. 3	4		
Chepen	Nov. 27-Dec. 3	7	2	
Chiclayo	Nov. 13-Dec. 3	4	2	
Eten	Nov. 13-Dec. 3	6	5	
Ferrenafe	Nov. 13-Dec. 3	5	2	
Lima	Nov. 13-Dec. 3	15	3	
Mollendo	Nov. 13-Dec. 3	4	2	
Monsefu	Nov. 13-Dec. 3	5		
Oyotun, plantation	Nov. 20	4		
San Jose (Lambayeque)	Nov. 13-Dec. 3	2		
San Pedro	Nov. 13-Dec 3	8	4	
Trujillo	Nov. 13-Dec. 3	29	14	
Siam:				
Bangkok	Sept. 27-Oct. 24	5	1	Present in November.
Straits Settlements:				
Singapore	Nov. 30-Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6-Dec. 5	14	5	

SMALLPOX.

Arabia:				
Aden	Nov. 25-Dec. 21		42	
Brazil:				
Bahia	Nov. 15-Dec. 5	61	4	
Pernambuco	Nov. 1-15		22	
Rio de Janeiro	Nov. 16-Dec. 13	718	369	
Santos	Nov. 1-Dec. 6		9	
São Paulo	Nov. 1-Dec. 6		22	
Canada:				
British Columbia—				
Victoria	Dec. 12	25	4	
Manitoba—				
Winnipeg	Dec. 20-Jan. 2	3		
Ontario—				
Toronto	Nov. 8-28	7		
Nova Scotia—				
Halifax	Dec. 13-Jan. 9	7		
Yarmouth	Dec. 1-31	1		
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Ceylon:				
Colombo	Nov. 1-21	62	13	
China:				
Amoy	Oct. 11-Nov. 8		2	
Shanghai	Nov. 11-Dec. 5			Present.
Cuba:				
Habana	Dec. 26-27	2		On s. s. Floride.
Egypt, general	Nov. 12-Dec. 2	122	24	
Alexandria	Nov. 26-Dec. 2		1	
Cairo	Nov. 19-Dec. 16	18	11	
France:				
Marseille	Dec. 1-31		1	
Paris	Nov. 22-Jan. 2	20	1	
Germany:				
Breslau	Dec. 20-26	1		

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Cholera, yellow fever, plague, and smallpox—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Greece:				
Athens	Nov. 22-Dec. 12		8	
Great Britain:				
Bristol	Dec. 13-19	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 740 deaths.
India:				
Bombay	Nov. 25-Dec. 15		7	
Calcutta	Nov. 1-Dec. 5		25	
Madras	Nov. 28-Dec. 4	1		
Rangoon	Nov. 22-Dec. 5		2	
Indo-China:				
Cholen	Nov. 15-21	1	1	
Saigon	Nov. 1-28	2		
Italy, general	Nov. 30-Dec. 27	52		
Florence	Nov. 24-30	2		
Genoa	Dec. 1-15	1		
Naples	Dec. 7-27	60	20	
Polesella	Dec. 1			Epidemic.
Japan:				
Formosa	Nov. 29-Dec. 12	6		
Java:				
Batavia	Nov. 1-Dec. 5	14	1	
Malta	Nov. 22-28	1		On vessel.
Mexico:				
Guadalajara	Jan. 7	1		
Mexico City	Nov. 8-Dec. 5		22	
Monterey	Jan. 4-10	1		
Veracruz	Dec. 13-26	2	2	
Yucatan (Camp Mengel)	Dec. 21	1		
Norway:				
Christiania	Nov. 22-28	1	1	
Persia:				
Hamadan	Oct. 2-8			Present.
Tabreez	Oct. 2-8			Do.
Teheran	Sept. 18-Oct. 28		10	
Peru:				
Lima	Nov. 22-Dec. 10	4		
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-14	2	2	
Porto Rico:				
Mayaguez	Dec. 20-26	1		
Portugal:				
Lisbon	Nov. 30-Jan. 2	9		
Russia:				
Moscow	Nov. 29-Dec. 19	64	22	
Riga	Nov. 29-Dec. 19	4		
St. Petersburg	Nov. 15-Dec. 19	24	6	
Warsaw	Nov. 1-28		10	
Servia:				
Belgrade	Dec. 6-12	2		
Siam:				
Bangkok	Nov. 1-30			Do.
Spain:				
Barcelona	Dec. 6-26		5	
Cartagena	July 1-31		15	
Madrid	Nov. 1-30		9	
Valencia	Nov. 29-Dec. 26	8	3	
Vigo	Nov. 30-Dec. 26		3	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Turkey in Europe:				
Constantinople	Dec. 7-27		27	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aden	Dec. 14	43,794	52	7				5					2	
Do	Dec. 21	43,794	56	5				12						
Alexandria	Dec. 2	383,934	166	12				1		1		1		
Amsterdam	Dec. 27	565,222	121	14						1			4	5
Antwerp	Dec. 12	312,571	73	7									1	
Asuncion	Nov. 14	75,000	26	3						3				
Do	Nov. 21	75,000	22	2						1				
Athens	Dec. 19	241,058	79	16					1				1	
Baracoa	Dec. 26	27,000	5											
Barmen	Dec. 12	161,000	29	4								1	1	
Basel	Dec. 19	131,000	23	1										
Belgrade	Dec. 12	80,000								1	2			
Belize	Dec. 31	9,113	9	1										
Bergen	Dec. 19	87,749	21									2	4	
Bluefield	Dec. 26	2,500	2											
Bombay	Dec. 15	977,822	628	48	8	16		5		2			1	
Bordeaux	Dec. 19	253,000	105	17						1				1
Bradford	Dec. 12	292,136	103	9							1		1	
Bremen	...do	233,907	73	10								2	4	
Breslau	Dec. 5	335,186	176	28								2		2
Do	Dec. 12	335,186	180	28							2	1		
Do	Dec. 19	335,186	154	29							2	1		
Bristol	...do	372,785	101								2	2		1
Do	Dec. 26	372,785	77										1	1
Brussels	Dec. 19	630,078	132	20							3	2		2
Budapest	Dec. 5	804,200								1	6	1	7	
Do	Dec. 12	804,200									7	3	3	1
Do	Dec. 19	804,200								1	6	3	6	
Cairo	Dec. 16	692,652	403	31				6	3	2		7		
Calcutta	Dec. 5	847,796	421	27	6	9		14					1	
Ceiba	Dec. 26	6,500	2											
Chemnitz	Dec. 12	271,796	86	12								1		1
Christiania	...do	233,000	67									2		3
Do	Dec. 19	233,000	57									1	2	2
Coatzacoalcos	...do	3,300	6											
Do	Dec. 26	3,300	4											
Coburg	Dec. 12	23,498	8	1										
Do	Dec. 19	23,498	7	1										
Cognac	Dec. 26	19,483	2											
Cologne	Dec. 12	464,907	143	19						1		4	6	4
Colombo	Nov. 14	155,869	114	10				2		8				
Do	Nov. 21	155,869	156	15		5		7		13				
Constantinople	Dec. 20	1,000,000	269	43				6		6	3	3		
Dalny	Dec. 5	36,381	10	1										
Do	Dec. 12	36,381	13							1				
Damascus	...do	250,000	49											
Denia	Dec. 19	12,421	2											
Dresden	...do	545,200	140	15						2	1	6		3
Dublin	...do	394,525	143	39								2	5	1
Dundee	Dec. 26	168,616	81											
Durban	Dec. 5	60,972	2											
Edinburgh	Dec. 19	350,524	110	14							1			1
Fiume	Dec. 15	49,500	26	4									2	
Flushing	Dec. 26	20,257	3											
Frankfort on the Main	Dec. 12	359,000	103								2	5	2	
Geneva	...do	118,500	31								3			
Ghent	...do	165,033	59	4								1		
Do	Dec. 19	165,033	54	1								1	1	
Gibralter	Dec. 20	26,830	8										2	
Do	Dec. 27	26,830	9											
Glasgow	Dec. 25	859,715	267								1	6		20
Gothenburg	Dec. 19	160,500	30	6								3		
Guayaquil	...do	75,000	59	12	1		1		1	6				
Halifax, N. S	Jan. 2	40,787	22	3								2		
Hamburg	Dec. 26	854,472	259	40							6	5		2
Havre	Dec. 19	132,430	57	15										1
Hilo, T. H	...do	3,500	2											
Do	Dec. 26	3,500	4											
Honolulu, T. H	Dec. 19	39,306	26	3										
Hull	...do	271,139	92									1	3	
Kobe	Dec. 12	363,593	159							4				
Konigsberg	...do	237,600	78	6										1
Lausanne	...do	56,000	10											

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Leeds	Dec. 19	477,107	146	10							1	2	3	3
Leipzig	Dec. 12	528,184	118	18							4	2		2
Do	Dec. 19	528,184	153	26						1	2	3	1	
Leith	Dec. 19	84,689	22	4										
Libau	Nov. 14	60,000							1		1			
Liege	Dec. 12	174,852	54	2						1	1			
Liverpool	Dec. 19	753,203	223	29							1	5	3	6
Do	Dec. 26	753,203	244	17						2	4	3	8	9
London	...do	4,795,757	1,037	109						8	6	17	44	7
Lubeck	...do	96,000	32	2										1
Lyon	Dec. 12	472,114	181	29							1	5		
Madras	Dec. 11	509,346	357			5							2	
Magdeburg	Dec. 12	250,252	69	9							2	6		
Managua	Nov. 21	22,278	15											
Do	Nov. 28	22,278	25							1				
Manaos	Dec. 12	54,000	24	2										
Manchester	Dec. 26	649,251	207							11	3	2	10	1
Mannheim	Dec. 5	180,642	47	5								1		2
Matamoras	Jan. 2	8,000	6	2								1		
Mayaguez	Dec. 26	35,700	26	4								1		
Mazatlan	Dec. 19	22,000	22											
Mexico	Nov. 14	400,000	433	27				5	16	1	8	6	2	6
Do	Nov. 21	400,000	428	31				2	11	1	6	6	5	7
Do	Nov. 28	400,000	423	26				5	17	1	28	5	1	4
Do	Dec. 5	400,000	421	27				10	11		19	3	3	3
Milan	Dec. 14	900,000	229	40						2		1		
Moncton	Jan. 4	13,500	3											
Monrovia	Dec. 5	7,000	4											
Do	Dec. 12	7,000	5											
Monterey	Jan. 3	100,000	55	4						1				
Montreal	Dec. 26	378,856	151	13						4	1	4	5	1
Do	Jan. 2	378,856	157							7	3	4	4	
Moscow	Dec. 12	1,335,104	611	85				6	11	2	13	8	9	6
Do	Dec. 19	1,335,104	627	76				10	14	6	20	13	6	8
Munich	Dec. 5	556,000	179	25							5	3	1	1
Nagasaki	Dec. 6	173,118	31							1				
Nantes	Dec. 27	133,247	46	6										
Naples	Nov. 28	593,729	285	34				6				2		
Do	Dec. 5	593,729	285					4				2	1	
Do	Dec. 12	593,729	302					6				3	1	
Do	Dec. 19	593,729	297					4				1		
Niuchwang	Dec. 5	60,000	10											
Niagara Falls, Ont	Dec. 7	8,000	2											
Do	Dec. 14	8,000	1											
Do	Dec. 21	8,000	1											
Do	Dec. 31	8,000	2											
Nottingham	Dec. 12	260,000	88	1						1	1	4	4	
Do	Dec. 19	260,000	94										5	
Nuevo Laredo	Jan. 2	8,000	2	1										
Nuremberg	Dec. 5	311,650	98	16							2	1	2	2
Para	Dec. 19	185,000	96	16			3							
Do	Dec. 26	185,000	64	15			2							
Penang	Nov. 28	101,469	100	13										
Do	Dec. 5	101,469	85	14										
Plymouth	Dec. 26	122,113	34											
Port Elizabeth	Dec. 12	32,959	14	1										
Prague	...do	229,571	134	16						2	1	2		
Progreso	...do	5,000	3	1										
Do	Dec. 19	5,000	7											
Do	Dec. 28	5,000	3											
Queenstown	Dec. 19	7,684	2											
Rangoon	Dec. 5	252,155	175	6	3	1		1						
Rio de Janeiro	....do	811,443	426	61	2			109		1		3	1	1
Do	Dec. 13	811,443	320	62	4			60		2		2	1	1
Rotterdam	Dec. 26	411,027	95							1	1	2		
Saigon[a]	Nov. 28	208,000			1									
St. John, N. B	Jan. 2	40,711	14	1						1				
St. Petersburg	Dec. 12	1,678,000	781	127		65		2	1	12	24	20	11	4
San Feliu de Guixols	Dec. 26	11,094	4											
Santa Cruz de Teneriffe	Dec. 19	46,000	16	3										
Santos	Nov. 29	75,000	36					3						
Do	Dec. 6	75,000	27					1						

[a] Report includes Cholon.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Shanghai	Nov. 28	544,500	122	15						1				
Southampton	Dec. 26	122,196	20	2										
Stettin	Dec. 19	230,000	77	8								5	1	
Stockholm	Dec. 12	337,460	103	21								1		1
Tegucigalpa	Dec. 16	24,000	3											
Do	Dec. 23	24,000	2											
Toronto	Dec. 19	272,600	80							2	2	7		
Do	Dec. 26	272,600	80								2	3		
Do	Jan. 2	272,600	80								1	4		
Trieste	Dec. 5	216,077	92								1			
Do	Dec. 12	216,077	111							1	1	2		
Turin	do	373,701	154	24								2		
Valencia	Dec. 19	215,687	122	9				2		1		2		
Vevey	Dec. 12	14,000	3											
Vienna	Dec. 19	2,042,426	650	79						1	9	4	12	
Winnipeg	Jan. 2	118,000	41							2		1	3	
Yokohama	Dec. 14	378,884								3				
Zurich	Dec. 20	181,000	55	5							1	1		1

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended January 16, 1909.

Sick inspected	4
Plague	0
Dead inspected	105
Plague	0
Necropsies held	2
Premises inspected	9,728
Houses disinfected	11
Houses destroyed	6
Buildings condemned	7
Nuisances abated	694
Rats found dead	68
Rats trapped	2,095
Total rats taken	2,163
Rats identified:	
Mus norvegicus	1,428
Mus rattus	48
Mus musculus	644
Total	2,120
Rats identified as to sex	1,423
Male	632
Female	791
Rats examined bacteriologically	1,372
Plague rats	0
Poisons placed	68,104

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OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended January 9, 1909.

Dead inspected	42
Plague	0
Necropsies held	3
Premises inspected	922
Nuisances abated	295
Premises cleaned	270
Garbage cans installed	240
Places made rat-proof	7
Rats trapped	583
Rats examined bacteriologically	556
Plague rats	0
Mice trapped	59
Mice examined bacteriologically	59
Plague mice	0
Gophers trapped	1
Gophers examined bacteriologically	1
Plague gophers	0

POINT RICHMOND, CAL.

Week ended January 9.

Sick inspected	1
Plague	0
Dead inspected	2
Plague	0
Premises inspected	490
Nuisances abated	27
Rats found dead	21
Rats trapped	45
Rats examined bacteriologically	45
Plague rats	0
Poisons placed	14,000

ALAMEDA COUNTY, CAL.

Week ended January 9.

Sick inspected	15
Plague	0
Dead inspected	84
Plague	0
Necropsies held	5

CONTRA COSTA COUNTY, CAL.

Week ended January 9.

Dead inspected	3
Plague	0

Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson, plague laboratory, reports, January 14:

Animals examined in the laboratory at Los Angeles, Cal., from January 4 to 10, inclusive:

Ground squirrels	154
Gray rats	263
Black rats	16
White rats	2
Gambel pocket mouse	6
Rabbits	1

None of these animals was found to be infected with plague.

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Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, January 18:

SEATTLE, WASH.

Date of finding of last plague rat.....September 26, 1908

Week ended January 16, 1909.

Rats received	681
Rats necropsied	640
Plague rats	0
Plague infected rats to date	21
Vessels inspected	11
Vessels fumigated	2

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*Los Angeles.*—Month of December, 1908. Estimated population 275,000. Total number of deaths reported, 308, including diphtheria 2, enteric fever 5, scarlet fever 2, and 61 from tuberculosis. Cases of contagious diseases reported: Diphtheria 20, enteric fever 19, scarlet fever 69, measles 6, smallpox 4, and tuberculosis 26.

San Diego.—Month of December, 1908. Estimated population, 40,000. Total number of deaths, 63, including diphtheria 1, and 9 from tuberculosis. Cases: Scarlet fever 3, diphtheria 6, enteric fever 2.

CONNECTICUT.—Month of November, 1908. Reports to the state board of health from 167 towns, having an aggregate population of 1,037,346, show as follows: Total number of deaths from all causes 1,273, including measles 6, scarlet fever 3, diphtheria 26, whooping cough 9, enteric fever 20, and 108 from tuberculosis. Cases: Measles 247 in 30 towns, scarlet fever 95 in 34 towns, dipththeria 249 in 45 towns, whooping cough 131 in 14 towns, enteric fever 56 in 24 towns, and tuberculosis 83 in 31 towns.

FLORIDA.—Report from the state board of health of communicable diseases for the week ended December 26, 1908, shows as follows: Enteric fever: Jacksonville 2, Lulu 1. Tuberculosis: Dade City 1, Ybor City 1, Jacksonville 2, Ocala 1, Tampa 2. Diphtheria: Tampa 3, West Tampa 1, Ocala 1, Jacksonville 9, Bradentown 1, Starke 1. Malaria: Jacksonville 4, Tampa 2, West Tampa, 1.

IOWA—*Council Bluffs.*—Annual report for the year 1908: Estimated population, 37,000; total number of deaths, 404, including smallpox 2, enteric fever 9, diphtheria 5, whooping cough 7, and 28 from tuberculosis. Cases: Smallpox 129, scarlet fever 30, diphtheria 89, measles 7, and whooping cough 5.

MASSACHUSETTS—*Worcester.*—Month of September, 1908: Estimated population, 147,084: total number of deaths, 169, including enteric fever 2, scarlet fever 2, whooping cough 2, diphtheria 4, and 15 from tuberculosis. Cases: Diphtheria 79, scarlet fever 10, enteric fever 12, measles 1, whooping cough 1, and tuberculosis 25.

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Month of October, 1908: Total number of deaths, 174, including diphtheria 2, enteric fever 1, and 18 from tuberculosis. Cases: Diphtheria 76, enteric fever 10, measles 4, scarlet fever 26, whooping cough 13, and tuberculosis 22.

NEW HAMPSHIRE—*Manchester.*—Month of December, 1908. Estimated population, 64,793. Total number of deaths, 98, including diphtheria 5, enteric fever 2, and 8 from tuberculosis. Cases: Diphtheria 73, enteric fever 4, measles 1, and scarlet fever 16.

NEW YORK—*Rochester.*—Month of September, 1908. Estimated population, 200,000. Total number of deaths, 244, including tuberculosis 20, diphtheria 2, and 3 from enteric fever. Cases not reported.

Month of October. Total number of deaths, 238, including tuberculosis 15, diphtheria 3, and 2 from enteric fever. Cases: Scarlet fever 15, diphtheria 22, enteric fever 20, and measles 23.

Month of November. Total number of deaths, 200, including tuber culosis 25, diphtheria 2, and 2 from enteric fever. Cases not reported.

Rome.—Month of December, 1908. Estimated population, 18,500. Total number of deaths, 39, including 6 from tuberculosis. Cases: Enteric fever 10, and tuberculosis 6.

OHIO—*Columbus.*—Month of December, 1908. Estimated popula tion, 185,000. Total number of deaths, 152, including enteric fever 3, scarlet fever 1, diphtheria 2, and 19 from tuberculosis. Cases: Diphtheria 6, enteric fever 13, measles 46, scarlet fever 30, whooping cough 1, and tuberculosis 81.

PENNSYLVANIA—*Scranton.*—Month of September, 1908. Estimated population, 127,000. Total number of deaths 122, including diphtheria 1, scarlet fever 5, enteric fever 2, whooping cough 3, and 6 from tuberculosis. Cases: Tuberculosis 1.

Month of October, 1908. Total number of deaths 150, including diphtheria 5, enteric fever 2, scarlet fever 8, and 7 from tuberculosis. Cases: Tuberculosis 10.

TENNESSEE—*Nashville.*—Month of December, 1908. Estimated population, 124,769. Total number of deaths 155, including enteric fever 3, diphtheria 3, and 19 from tuberculosis. Cases: Scarlet fever 19, smallpox 1, enteric fever 5, and pulmonary tuberculosis 7.

TEXAS—*Fort Worth.*—Annual report for the year 1908. Estimated population, 70,000. Total number of deaths 713, including diphtheria 1, and 1 from tuberculosis. Cases: Smallpox 296, enteric fever 38, scarlet fever 37, diphtheria 98, measles 55, whooping cough 1, and tuberculosis 2.

Month of December, 1908. Total number of deaths 70, deaths not reported. Cases: Enteric fever 5, scarlet fever 8, and diphtheria 13.

VIRGINIA—*Newport News.*—Month of December, 1908. Estimated population, 28,749. Total number of deaths, 25, including 3 from tuberculosis. Cases: Diphtheria 2.

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Richmond.—Annual report for the year 1908. Estimated population, 114,084. Total number of deaths, 2,486, including enteric fever 57, measles 6, scarlet fever 1, whooping cough 33, diphtheria 4, and 258 from tuberculosis. Death rate per 1,000 of population, 21.79.

Month of December, 1908. Total number of deaths, 182, including enteric fever 1, whooping cough 1, and 30 from tuberculosis. Cases: Enteric fever 13, diphtheria 25, measles 1, scarlet fever 1, and whooping cough 3.

WASHINGTON—*Spokane.*—Month of December. Estimated population, 90,000. Total number of deaths, 85. Causes of deaths not reported. Cases: Smallpox 3, measles 11, scarlet fever 33, diphtheria 35, and enteric fever 4.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to January 29, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Arkansas:				
Little Rock	Dec. 15–Jan. 2	23		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		33		
California, general	Nov. 1–30		2	
Los Angeles	Dec. 6–Jan. 16	8		
Oakland	Nov. 1–Dec. 31	6		
Sacramento	Nov. 1–Dec. 31	24		
San Francisco	Dec. 13–Jan. 9	14		
Stockton	Nov. 1–30	12		
Total for State		64	2	
District of Columbia:				
Washington	Dec. 28–Jan. 2	1		
Total for District		1		
Illinois:				
Belleville	Dec. 4–20	3		
Browning	Oct. 25–Jan. 20	75		
Cairo	Jan. 7	12		
Centralia	July 1–Jan. 20	53		
Chicago	Jan. 3–9	1		
Danville	Jan. 11–17	1		
Ladd	Nov. 1–30	4		
Peoria	Dec. 20–26	4		
Taylorville	Aug. 1–Jan. 20	40		
Total for State		193		
Indiana:				
Carroll County	Oct. 1–31	26		
Clay County	Oct. 1–31	8		
Dearborn County	Oct. 1–31	1		
Elkhart County	Oct. 1–31	1		
Madison County	Oct. 1–31	1		
Anderson	Dec. 1–31	1		
Sullivan County	Oct. 1–31	2		
Tippecanoe County	Oct. 1–31	4		
Lafayette	Dec. 15–Jan. 18	30	1	
Vanderburg County	Jan. 15	2		
Evansville	Jan. 10–16	2		
Vigo County	Oct. 1–31	1		
Total for State		79	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Iowa, general	July 1–Sept. 30		4	
Total for State			4	
Kansas:				
Atchison County—				
Atchison	Dec. 20–Jan. 16	2		
Barton County	Nov. 1–30	7		
Bourbon County	Nov. 1–30	1		
Brown County	Nov. 1–30	15		
Crawford County—				
Pittsburg	Nov. 1–Dec. 31	107		
Harvey County	Nov. 1–30	3		
Jackson County	Nov. 1–30	85		
Montgomery County	Nov. 1–30	11		
Pottawatomie County	Nov. 1–30	22		
Reno County	Nov. 1–30	2		
Riley County	Nov. 1–30	2		
Saline County	Nov. 1–30	16		
Shawnee County	Nov. 1–30	2		
Topeka	June 7–Jan. 2	22		
Sumner County	Nov. 1–30	5		
Wilson County	Nov. 1–30	5		
Wyandotte County—				
Kansas City	Jan. 3–16	2		
Total for State		309		
Kentucky:				
Anderson County	Oct. 1–Jan. 20	200	1	Including Lawrenceburg
Covington	Dec. 29–Jan. 16	5		
Henderson		7		Year 1908.
Lexington	Dec. 28–Jan. 16	11		
Newport		23	1	Do.
Total for State		246	2	
Louisiana:				
New Orleans	Dec. 20–Jan. 16	6		
Total for State		6		
Maine:				
Cyr plantation	Oct. 16–24	11		
Frenchville	Nov. 11–Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16–Dec. 12	26		
St. Agatha	Oct. 24–Dec. 26	9		
St. David	Dec. 13–19	1		
Upper Frenchville	Oct. 25–Nov. 11	2		
Van Buren	Oct. 18–Jan. 16	73		
Total for State		124		
Massachusetts:				
Taunton	Jan. 3–9	1		
Total for State		1		
Michigan:				
Barry County	Nov. 1–30	2		
Delta County	Nov. 1–30	1		
Ingham County—				
Lansing	Nov. 1–30	6		
Macomb County	Nov. 1–30	1		
Manistee County	Nov. 1–30	2		
Muskegon County	Nov. 1–30	18		
St. Clair County	Nov. 1–30	1		
Port Huron	Nov. 1–30–Dec. 5	3		
Wayne County—				
Detroit	Jan. 10–16	1		
		30		
Minnesota:				
Becker County	Dec. 7–13	1		
Benton County	Oct. 26–Nov. 2	1		
Brown County	Oct. 20–Nov. 23	11		
Carver County	Dec. 7–13	6		
Cass County	Oct. 12–Dec. 7	1		
Chippewa County	Nov. 3–9	1		
Cottonwood County	Oct. 20–26	1		
Dodge County	Nov. 24–Dec. 7	2		
Faribault County	Dec. 7–13	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-30	8		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicolett County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Oct. 6-Dec. 13	57		
Renville County	Dec. 1-7	1		
St. Louis County				
Duluth	Nov. 9-16	2		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Saseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-30	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-7	4		
Yellow Medicine County	Oct. 20-26	1		
Total for State		223		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
St. Joseph	Dec. 1-31	1		
St. Louis	Dec. 20-Jan. 16	4		
Springfield	Nov. 1-Dec. 31	2		
Total for State		7		
Montana:				
Butte	Dec. 2-Jan. 29	17		
Total for State		17		
Nebraska:				
Lincoln	Nov. 1-30	3		
South Omaha	Dec. 20-Jan. 16	2		
Total for State		5		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		8		
North Carolina:				
Bertie County	Nov. 1-30	1		
Catawba County	Nov. 1-30	1		
Currituck County	Nov. 1-30	3		
Johnston County	Nov. 1-30	1		
Pasquotank County	Nov. 1-30	17		
Total for State		23		
Ohio:				
Cincinnati	Dec. 12-Jan. 8	38		
Newark		3		Year 1908.
Tiffin	Jan. 3-9	1		
Total for State		42		
Oregon:				
Clackamas County	Sept. 1-30	1		
Harney County	Sept. 1-30	1		
Jackson County	Oct. 1-31	1		
Linn County	Sept. 1-Oct. 31	5		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Oregon—Continued.				
Marion County	Sept. 1–Oct. 31	3		
Multnomah County, Portland.	Nov. 1–30	29		
Polk County	Sept. 1–Oct. 31	8		
Tillamook County	Oct. 1–31	1		
Umatilla County	Sept. 1–30	1		
Wallowa County	Oct. 1–31	1		
Washington County	Oct. 1–31	17		
Yamhill County	Sept. 1–30	7		
Total for State		75		
Pennsylvania:				
Gracedale	Oct. 24	1		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 19–25	1		
Pittsburg	Dec. 18–19	1		Imported.
Total for State		3		
Tennessee:				
Knoxville	Dec. 28–Jan. 16	7		
Nashville	Dec. 20–Jan. 16	2		
Total for State		9		
Texas:				
Cost	Oct. 1–Dec. 19			Present.
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Laredo	Dec. 26	2		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 18–Jan. 16	32		
San Augustine County	Jan. 5			Do.
Total for State		302		
Utah:				
Davis County	Nov. 1–30	5		
Weber County	Nov. 1–30	1		
Total for State		6		
Virginia:				
Lynchburg	Jan. 10–16	1		Imported.
Total for State		1		
Washington:				
Seattle	Nov. 1–30	7		
Spokane	Dec. 6–Jan. 2	3	1	
Tacoma	Dec. 14–20	14		
Total for State		24	1	
Wisconsin:				
La Crosse	Dec. 13–Jan. 16	17		
Manitowoc	Dec. 13–19	4		
Milwaukee	Dec. 6–Jan. 9	17		
Total for State		38		
Grand total for the United States		2,004	10	

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Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Jan. 16	38,973	17		2			8							
Ann Arbor, Mich	...do	14,509	3									1			
Atchison, Kans	Jan. 9	15,722								2					
Do	Jan. 16	15,722								1					
Baltimore, Md	...do	508,957	227	8	27	10	4	13	1	21	1	63		6	
Bayonne, N. J	...do	32,722		1				2		5		46			
Beaver Falls, Pa	...do	13,000						1		1					
Berkeley, Cal	Jan. 9	13,214	13		1					1					
Biddeford, Me	Jan. 16	16,145	2												
Binghamton, N.Y.	...do	38,647	15		1		1					a 6			
Boston, Mass	...do	560,892	231	35	23	14	2	53	1	72	7	42	1	32	10
Braddock, Pa	...do	15,654	11							2				2	
Bradford, Pa	...do	15,029	4			1		2	1			1			
Brockton, Mass	...do	40,063	14		2			2		3	1	43		2	
Butte, Mont	Dec. 22	30,470	11	1	4			4		2					
Do	Dec. 29	30,470	14		2			5	1	3					
Do	Jan. 5	30,470	14	1	1			8	2	3					
Do	Jan. 12	30,470	11	1	3			13	1			1			
Cambridge, Mass.	Jan. 16	91,886	30	6		1		19		10		18		2	1
Camden, N. J	...do	75,935	34	2	1	1		7		6	1	6			
Camden, S. C	...do	2,441			2					1					
Carbondale, Pa	...do	13,536	4							3		1			
Charlotte, N. C	Jan. 15	18,091	11									1			
Chelsea, Mass	Jan. 16	34,072	18	1		1				1		1			
Chicago, Ill	...do	1,698,575	726	72	84	33	10	206	15	179	17	82	3	18	1
Chicopee, Mass	...do	19,167	12		2			1							
Cleveland, Ohio	Jan. 15	381,768	124	16	9	4	3	32	1	47	3	5		24	
Clinton, Mass	Jan. 16	13,667	5							1					
Columbus, Ga	...do	17,614	7												
Covington, Ky	...do	42,938	17	1	1			2							
Danville, Ill	Jan. 17	16,534	7		1			3		2		1			
Dayton, Ohio	Jan. 16	85,333	40	1	3	1		1		3	1	3			
Detroit, Mich	...do	285,704	131					11	1	20					
Duluth, Minn	Jan. 14	80,000	19		1			1		26					
Dunkirk, N. Y	Jan. 16	11,616	7					2		1					
Elkhart, Ind	...do	15,184	5	1				1				1			
Elmira, N. Y	...do	35,672	8	4				1				1			
El Paso, Tex	Jan. 12	15,905	26	1	9	2		1		1				1	
Erie, Pa	Jan. 9	52,733	9	4	3	8		16							
Do	Jan. 16	52,733	19	4	3	1		16	1					11	
Evansville, Ind	...do	59,007	12			1		1		11		1			
Everett, Mass	...do	24,336	7		1			7		1					
Fall River, Mass. b	Jan. 2	104,863	52	5	5			1		1	1	1			
Do	Jan. 16	104,863	47	1	1			4		2		5		2	
Findlay, Ohio	Jan. 18	17,613	3					3							
Galesburg, Ill	Jan. 16	18,607	6					4							
Galveston, Tex	Jan. 15	37,789	11	1	1	6		1							
Glens Falls, N. Y	Jan. 16	13,543	5		1										
G'd Rapids, Mich	...do	87,565	26		4	6		22		1		1		3	
Greensboro, N. C	...do	10,035	5		2							3			
Harrison, N. J	...do	10,596	2							1		1			
Haverhill, Mass	...do	37,175	11	3	1	1		2		7	1				
Hoboken, N. J	...do	59,364								9	1	3			
Homestead, Pa	Jan. 7	12,554	5												
Do	Jan. 14	12,554	7					1							
Indianapolis, Ind.	Jan. 17	169,164	49	1	5	2		2		26	1	5	1		
Jacksonville, Fla.	Jan. 16	28,429	17		3		1			3					3
Jersey City, N. J	Jan. 17	206,433	107	2	12	1		36	1	21	1	120		2	
Johnstown, Pa	Jan. 16	35,936	13			3	1	12	1	4		8			
Kansas City, Kans	Jan. 9	51,418	28		2	7		3		3	2	2		1	
Do	Jan. 16	51,418	18		2			2		3		1			
Kearny, N. J	...do	10,896	3					5						1	
Kingston, N. Y	...do	24,535	9		4										
Knoxville, Tenn	...do	32,637		1	2							18		1	
La Crosse, Wis	...do	28,895	4		1		1			2					
La Fayette, Ind	Jan. 18	18,116	4												
Lancaster, Pa	Jan. 16	41,459	16		1			7		1					
Lawrence, Mass	...do	62,559	23		3	2	1	4		5	1	18	1		
Lebanon, Pa	...do	17,628	5	1	1			2		1		2			
Lexington, Ky	Jan. 9	26,369	15	2			1					1		4	
Do	Jan. 16	26,369	15		1			1						5	

a Cases of measles in state hospital.

b Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Los Angeles, Cal.	Jan. 9	102,479	89	6	11	1	2	26	1	9		4			
Lowell, Mass	Jan. 16	94,969	41	5	7	6	1			4	1			4	1
Lynchburg, Va.[a]	Jan. 2	18,891						1						2	
Do	Jan. 16	18,891		1				1						1	
Lynn, Mass	do	68,513	23			2		2		12		3			
Malden, Mass	Jan. 9	33,664	9		1			6		1		1			
Do	Jan. 16	33,664	8	3	2			4		9				5	
Manchester, N. H.	do	56,987	21	1	1			3		9	2			1	1
Manitowoc, Wis	do	11,786	2							2		4			
Mansfield, Ohio	do	17,650						1		1					
Marinette, Wis	do	16,195	4					3		2					
Marion, Ind	do	17,337	1					2				1			
Marion, Ohio	Jan. 14	11,862										1			
Marlboro, Mass	Jan. 9	13,609	4												
Massillon, Ohio	Jan. 16	11,944	6												
Medford, Mass	do	18,244	10							5					
Melrose, Mass	Jan. 9	12,962	2			1		8		1				1	
Mobile, Ala	do	38,469	25		3					2					
Montclair, N. J	Jan. 16	13,962	3	2				7		4		2			
Montgomery, Ala.	Jan. 15	30,346	8												
Moline, Ill	Jan. 17	17,248	5		2		1	1				1			
Morristown, N. J.	Jan. 16	13,000	5	1											
Mount Vernon, N. Y	do	21,228	5					2		1		14		3	
Muncie, Ind	do	20,942	4												
Nanticoke, Pa	Jan. 17	12,616	2					1				1			
Nashville, Tenn	Jan. 16	80,865	35	1		3		4		1					
Nebraska City, Nebr	do	7,200	2					1		1					
Newark, N. J	do	246,070	99		15	3		46	1	34	3				
New Bedford, Mass	do	68,442	34	6	4	1		5		7	1	3		3	1
Newburyport, Mass	do	14,478	3							2					
New London, Conn	Jan. 9	17,548	8		1										
Do	Jan. 16	17,548	4	1	1			2							
New Orleans, La.	Jan. 9	278,104	148	20	13	23	2	16		7			1		
Do	Jan. 16	278,104	168	19	20	1	1	17		5	1				2
Newton, Mass	do	33,587	7	2				7		5					
New York, N. Y.	do	3,437,202	1,443	484	166	39	9	337	18	394	47	462	16	39	3
Niagara Falls, N. Y	do	19,457	10	2	1	6		3		3	2	1			
Norristown, Pa	do	22,265	6			1						1			
North Adams, Mass	do	24,200	5	1						1				5	
Northampton, Mass	do	18,643	4	1	1							3			
Oklahoma City, Okla	do	43,500	14			1	1	1	1						
Orange, N. J	do	24,141	7	3	1			4		1					
Ottumwa, Iowa	do	18,197	10	4			1					1			
Philadelphia, Pa.	Jan. 9	1,293,697	553	142	64	145	9	66	2	79	11	88	3	18	3
Pittsburg, Pa	do	321,616	170	40	9	22	2	24	3	19	6	25		13	
Do	Jan. 16	321,616	179	34	13	25		21	2	14	2	24		17	
Plainfield, N. J	do	15,369	5		1			2							
Plymouth, Pa	do	13,649								2		1			
Portsmouth, N. H.	do	10,637			1					3					
Portsmouth, Va	Jan. 19	17,427	3					3		1		1			
Providence, R. I.	Jan. 16	175,597	76	4	8		1	12		17	3	1			
Reading, Pa	Jan. 18	78,961	24		2	4		7		7	1			3	
Richmond, Va	Jan. 16	85,050	34	10	3	1				2					
Rockford, Ill.[a]	Jan. 2	31,051						1							
Do	Jan. 16	31,051								2					
Saginaw, Mich	Jan. 9	42,345	17	2	2			1		1		2			
Do	Jan. 16	42,345	22			4				2		4			
St. Joseph, Mo	Jan. 9	102,979	20			2		2		3					
St. Louis, Mo	Jan. 16	575,238	231	30	22	6		31	2	54	7	177	2	7	
San Antonio, Tex.	Jan. 9	53,321						1		1					
Do	Jan. 16	53,321				1		3		1					
San Francisco, Cal.	Jan. 9	342,782	120	25	15			13		15	1	75		5	2
Shamokin, Pa	Jan. 19	18,202	8	1				1		1		4			
Somerville, Mass.	Jan. 16	61,645	22	1	2			14		8	2	1			
South Bend, Ind	do	35,999	8	2	2			2		4		4			
Spokane, Wash	Jan. 9	38,848	19		2	1	1	6		9	1	8			

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Springfield, Ill	Jan. 14	34,159	24					8		2					
Springfield, Mass.	Jan. 16	62,059	26	2	4			3		6	1	4		1	
Springfield, Ohio	do	38,253	10	5	3					1					
Steelton, Pa	do	12,068	2	2						2					
Taunton, Mass	do	31,036	11		1		1	1							
Terre Haute, Ind	Jan. 9	36,673	28		6			2		2	1	3			
Do	Jan. 16	36,673	14		2			2		2	1				
Titusville, Pa	do	8,244	4					14							
Topeka, Kans.[a]	Dec. 10	33,608	18		2					1	1				
Trenton, N. J	Jan. 16	73,307		5	2	2		1		3					
Waltham, Mass	do	23,481	4	1				14		5		9			
Warren, Pa	Jan. 10	8,043	4	2	1							1			
Washington, D. C	Jan. 16	278,718	127	46	13	22	4	21	1	12	5	282	2	6	
Wheeling, W. Va	do	38,878	16							1		2			
Wilkes-Barre, Pa	Jan. 15	51,721	23	2	1	1	1	6		6		5	1	1	
Williamsport, Pa	Jan. 16	28,757	8		1			1		1		1			
Wilmington, Del	do	76,508	25		3										
Winona, Minn	do	19,714	9												
Woburn, Mass	do	14,254	3	1							1				
York, Pa.[a]	Jan. 2	33,708						2		1				1	
Do	Jan. 16	33,708		28		3		5		3				8	

[a] Reported out of date.

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, January 6, 1909.]

CHOLERA.

BULGARIA.—December 11. The crews of lighters which unload vessels from Russian ports, when said vessels have not complied with quarantine regulations, but unload at the ports of Varna, Silistria, and Rustchuk, are subject to disinfection with ten days' observation.

GERMAN EMPIRE.—December 29. Medical inspection of arrivals at German ports from Archangel and Riga, which was ordered October 19, suspended.

TURKEY.—December 22. Measures ordered against arrivals from Russian ports of the Black Sea, with the exception of Taganrog, suspended. Arrivals from Taganrog undergo five days' quarantine with disinfection at Sinope. Treatment of arrivals from Black Sea ports, having pilgrims on board, is not altered.

BARBADOS.

Report from Bridgetown—Yellow fever on the island.

Consul Martin reports, January 4:

I have been officially notified to-day of 2 more cases of yellow fever. Both are in the parish of St. Lucy, at the extreme north end of the island, 18 miles from Bridgetown.

The last case reported was fatal. The other report is silent on the subject. (See Public Health Reports, January 1, 1909.)

CHINA.

Reports from Hongkong—Quarantine restrictions—Plague—Inspection of vessels—Examination of emigrants.

Acting Assistant Surgeon Hough reports, December 18:

Week ended November 14. Restrictions enforced by Hongkong remain as reported on October 17. Restrictions enforced against Hongkong remain as reported on October 17. Quarantinable diseases: Plague, 1 case, 1 death. Vessels inspected and granted bills of health, 9. Aliens examined for Honolulu and Pacific coast ports, 584; rejected, 89. Aliens examined for Philippine Islands, 58; rejected, 11.

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Week ended November 21. No quarantinable diseases. Vessels inspected and granted bills of health, 4. Aliens examined for Honolulu and Pacific coast ports, 21. Aliens examined for Philippine Islands, 43; rejected, 10.

Week ended November 28. Restrictions enforced against Hongkong by Ceylon and Niuchwang have been withdrawn. No quarantinable diseases. Vessels inspected and granted bills of health, 10. No aliens examined for Honolulu and Pacific coast ports. Aliens examined for Philippine Islands, 26; rejected, 4.

Week ended December 5. Restrictions enforced against Hongkong remain as reported on October 17 and November 28. No quarantinable diseases. Vessels inspected and granted bills of health, 8. Aliens examined for Honolulu and Pacific coast ports, 404; rejected, 55. Aliens examined for Philippine Islands, 26; rejected, 13.

Report from Shanghai—Inspection and disinfection of vessels—Smallpox on U. S. Army transport Seward.

Acting Assistant Surgeon Ransom reports, December 16:

During the week ended December 12, 1 original and 3 supplemental bills of health were issued to 4 steamships, having an aggregate personnel of 822. Two vessels and 84 members of crews were inspected during the week, and the remaining 2 vessels were inspected December 13, having been delayed by bad weather. There were inspected altogether 226 members of crews and 3 steerage passengers. The forecastle of one vessel was disinfected. Seventy-two Asiatic members of crew were bathed. Their effects were disinfected by steam. Manifests were viséed for 32,975 pieces of freight. Twenty pieces of human hair from the interior were rejected on the manifest. Properly authenticated certificates as to the packing of these 20 cases of hair were subsequently received, and an additional manifest was countersigned for them.

Numerous inspections were made during the week of cargo in the process of packing for shipment to the United States.

The weekly report of the municipal health department shows that there were reported among foreigners 2 new cases of smallpox.

The 2 cases of smallpox reported occurred among the crew of the U. S. Army transport *Seward*, now undergoing repairs at this port. The surgeon of the vessel reports that he immediately vaccinated the entire crew, and that he is keeping them under observation, the cases having been removed to the isolation hospital. Necessary steps will be taken by this office to secure proper disinfection of the vessel and her personnel before her departure for Manila.

CUBA.

Report from Habana—Inspection and fumigation of vessels—Sanitary conditions.

Passed Assistant Surgeon Amesse reports, January 19:

Week ended January 16.

Vessels inspected	21
Bills of health issued	24
Members of crews of outgoing vessels inspected	1,100
Passengers of outgoing vessels inspected	556

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A total of 568 passengers embarked at Nuevitas, Cuba, on the army transport *Sumner*, and, together with a crew of 138, were inspected. The entire personnel was certified as free from quarantinable diseases.

The chartered transport *Galveston* cleared from this port during the week for Galveston, carrying 76 officers and men detached from the army of Cuban pacification.

The national sanitary department reports satisfactory health conditions throughout the Republic.

Report from Matanzas—Inspection of vessels.

Assistant Surgeon Nunez reports, January 18:

Week ended January 16. Five bills of health were granted to vessels leaving for United States ports in good sanitary condition. No quarantinable diseases were reported either in the city or province.

Report from Santiago—Inspection and fumigation of vessels—Sanitary department removed to new official building.

Acting Assistant Surgeon Wilson reports, January 13:

Week ended January 9. Bills of health issued to 7 vessels bound for the United States and its dependencies. The Cuban steamship *Julia*, bound for San Juan, P. R., was fumigated.

No new case of yellow fever was reported, either here or in San Luis.

The sanitary department has been removed to the outskirts of the city. The trolley cars pass the door. The department occupies a very large building, which gives room for everything under one roof. The building was erected by the Spaniards for barracks, and was used during the first American intervention as the quartermaster's depot. The office, laboratory, storerooms, stables, and repair shops are all together. The disinfecting apparatus has not yet been removed, but soon will be.

ECUADOR.

Report from Guayaquil—Inspection and fumigation of vessels—Plague and yellow fever—Plague still present at Milagro.

Passed Assistant Surgeon Wightman reports, December 28, through Passed Assistant Surgeon Lloyd:

Week ended December 19. Four steamships, with an aggregate personnel of 315 in the crews, 70 cabin, and 41 steerage passengers were fumigated.

For the same week a total of 59 deaths were recorded for Guayaquil, including 1 death from yellow fever and 1 from plague.

Plague is still present at Milagro.

INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Eakins reports, December 23:

Week ended December 19. Bills of health issued to the steamship *Koranna*, bound for Philadelphia and New York, with a total crew of

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58 and 2 passengers; to the steamship *Labuan*, bound for Boston and New York, with a total crew of 42; to the steamship *Harport*, bound for New York, with a total crew of 31, and to the steamship *Sutherland*, bound for Boston and New York, with a total crew of 48. The usual precautions were taken, the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

Week ended December 12: Ten deaths from cholera, 9 from plague, and 6 from smallpox in Calcutta.

In Bengal during the same week there were 126 cases and 116 deaths from plague. In India during the same period, 2,044 cases and 1,588 deaths from plague.

MEXICO.

Report from Mexico City—Yellow fever at Merida and in vicinity of Maxcanu.

The following is received from Doctor Liceaga, president of the superior board of health, under date of January 14:

During the week ended January 9, 1 case of yellow fever occurred at the city of Merida and 1 at San Bernardo plantation, 9 kilometers distant from Maxcanu.

Report from Salina Cruz—Inspection and fumigation of vessels—Smallpox; imported—Vaccination.

Acting Assistant Surgeon McPherson reports, January 16:

During the period January 1 to 15, inclusive, 3 steamships were inspected and fumigated on clearing from this port for the United States.

Four or 5 cases of smallpox have appeared in this port. All of the cases were infected from one person, who developed the disease immediately after his arrival here from Mexico City. All of the cases are strictly isolated, and an active campaign of vaccination has been undertaken among all unvaccinated persons.

PARAGUAY.

Report from Asuncion—Plague.

Consul Norton reports, December 7: Several deaths have occurred in this city during the past week under circumstances which lead me to believe that plague has again made its appearance. The official reports of the health department for the past two weeks show 6 deaths from "infectious fever," a term employed heretofore in registering deaths from plague.

PERU.

Report from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Smallpox at Lima—Plague at Iquique, Chile.

Acting Assistant Surgeon Gutierrez reports, December 28:

Week ended December 19. Three vessels carrying an aggregate personnel of 111 in the crew, 67 cabin and 68 steerage passengers were fumigated.

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Week ended December 26. Two British steamships and the United States light-house fleet, comprising 6 vessels, were granted bills of health. The steamships were fumigated. The aggregate personnel of the merchant vessels was composed of 178 members of crews, 64 cabin and 60 steerage passengers.

The following is the latest report on plague in Peru received from the Director de Salubridad Publica:

Locality.	Cases, Dec. 4.	New.	Recovered.	Died.	Remaining, Dec. 17.
Lima	12	9	5	3	13
Callao	1				1
Trujillo (city)	31	5	11	6	44
Trujillo (country)		25			
Chepen	8	2	5	1	4
Lambayeque	1		1		
San Pedro	9	6	2	4	9
Chiclayo	3	3	1	2	3
Ferreñafe	2	2	2		2
Eten (city)	1	2	1	2	
Mollendo	1				1
Hacienda Oyotun	4				4
Paita		3		2	1
Piura		3			3
Catacaos		3			3

No new case of plague has been reported at Callao since November 16.

Three patients with smallpox are isolated in the lazaretto at Lima.

Bills of health report 2 cases of bubonic plague in the lazaretto at Iquique December 13. There has been 1 new case in two weeks.

RUSSIA.

Report from Libau—Status of cholera at St. Petersburg—Cholera present in only two other localities in Russia—Water supply of St. Petersburg—Typhus fever at Kief—Examination of emigrants.

Acting Assistant Surgeon De Forrest reports, January 1:

Cholera cases and deaths at St. Petersburg.

	Cases.	Deaths.		Cases.	Deaths.
December 23	15	4	December 28 (no report)		
December 24 (no report)			December 29	20	4
December 25	31	13	December 30	21	7
December 26	19	2	December 31	24	6
December 27	14	7			

Cholera reported at other localities: Erivan, December 15–20, 7 cases, 6 deaths; Jekaterinaslav, December 25, 1 new case.

The water supply of St. Petersburg is taken from the river Neva above the city and is polluted at points higher up the river.

The authorities at Moscow are reorganizing their medical forces in preparation for a renewal of the cholera epidemic in the spring.

The epidemic of typhus fever at Kief has reached enormous proportions. The number of cases is not reported.

The steamship *Estonia* left Libau for New York December 29 with 256 passengers, after inspection.

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TRINIDAD.

Report from Port of Spain—Fatal case of yellow fever.

The following is received from the Department of State, under date of January 20:

Consul Moffat cables one death from yellow fever.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Transvaal—Johannesburg.*—Four weeks ended December 12, 1908. Estimated population, 180,687. Total number of deaths, 384; including enteric fever 10, scarlet fever 3, diphtheria 1, measles 4, whooping cough 1, and 52 from tuberculosis.

AUSTRALIA—*State of South Australia*, including the city of *Adelaide.*—Month of November, 1908. Estimated population of State, 394,692; city, 40,185. Total number of deaths 225, including diphtheria 2, and 28 from tuberculosis.

BRAZIL—*Pernambuco.*—Two weeks ended November 15, 1908. Estimated population, 210,000. Total number of deaths, 293, including plague 3, smallpox 22, enteric fever 3, measles 3, and 56 from tuberculosis.

CANADA—*British Columbia, Vancouver.*—Month ended December 31, 1908. Estimated population, 52,000. Total number of deaths, 53, including 5 from tuberculosis. Cases: Diphtheria 1, enteric fever 2, scarlet fever 4, smallpox 1, measles 1, whooping cough 7.

CUBA.—Month of August, 1908. Estimated population, 1,572,797. Total number of deaths, 2,548, including enteric fever 29, measles 7, scarlet fever 7, diphtheria 18, yellow fever 4, and 299 from tuberculosis.

Month of September. Total number of deaths 2,149, including enteric fever 28, measles 1, scarlet fever 4, diphtheria 21, yellow fever 2, and 272 from tuberculosis.

Habana.—Month of November, 1908. Estimated population, 300,000, Total number of deaths, 437, including enteric fever 3, measles 1, diphtheria 1, and 88 from tuberculosis.

FRANCE—*Cherbourg.*—Month of December, 1908. Estimated population, 43,948. Total number of deaths 81, including enteric fever 1, whooping cough 1, and 6 from tuberculosis.

Marseille.—Month of December, 1908. Estimated population, 517,498. Total number of deaths 880, including diphtheria 24, enteric fever 25, measles 9, smallpox 1, and 103 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended January 2, 1909, correspond to an annual rate of 18.2 per 1,000 population, which is estimated at 16,234,952.

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London.—One thousand eight hundred and four deaths were registered during the week, including measles 86, scarlet fever 7, diphtheria 23, enteric fever 7, whooping cough 11, tuberculosis 182, and 22 from diarrhea. The deaths from all causes correspond to an annual rate of 19.6 per 1,000. In Greater London 2,499 deaths were registered. In the "outer ring" the deaths included 3 from measles, 2 from scarlet fever, 5 from diphtheria, whooping cough 3, and 1 from enteric fever.

Ireland.—The average annual death rate represented by the deaths registered during the week ended January 2, 1909, in the 21 principal town districts of Ireland was 24.7 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Drogheda, viz, 12.3, and the highest in Portadown, viz, 41.3 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended January 2, 1909, correspond to an annual rate of 17.4 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 19.7, and the lowest in Aberdeen and Leith, viz, 14.6 per 1,000. The aggregate number of deaths registered from all causes was 622, including measles 1, diphtheria 8, scarlet fever 3, and 23 from whooping cough.

JAPAN—*Formosa.*—Two weeks ended December 12, 1908. Estimated population, 3,050,004. Total number of deaths not reported. Deaths from contagious diseases reported were: Enteric fever 4. Cases: Enteric fever 14, diphtheria 1, and smallpox 6.

MALTA.—Three weeks ended December 19, 1908. Estimated population, 209,974. Total number of deaths, 328, including diphtheria 4, and 12 from tuberculosis.

NEW ZEALAND—*Auckland.*—Month of October, 1908. Estimated population 73,032. Total number of deaths 56, including 6 from tuberculosis.

Wellington.—Month of October, 1908. Estimated population 70,947. Total number of deaths 52, including measles 1, diphtheria 1, and 11 from tuberculosis.

Christchurch.—Month of October, 1908. Estimated population 59,544. Total number of deaths 59, including 10 from tuberculosis.

Dunedin. Month of October, 1908. Estimated population 59,495. Total number of deaths 49, including measles 2, scarlet fever 1, and 3 from tuberculosis.

PANAMA—*Panama*, *Colon*, and *Canal Zone.*—Month of November, 1908. Estimated population, 124,989. Total number of deaths 247, corresponding to an annual death rate of 23.71 per 1,000, including enteric fever 5, malarial fever 17, beriberi 5, and 24 from tuberculosis. Of this number 40 occurred among the employees of the Isthmian Canal Commission and Panama Railroad Company, corresponding to an annual death rate of 11.5 per 1,000, of which 8.92 was due to disease, including malarial fever 2, enteric fever 3, and 4 from tuberculosis. Total number of employees, 41,713.

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TASMANIA—*Hobart.*—Month of October, 1908. Estimated population, 184,008. Total number of deaths, 173, including enteric fever 3, whooping cough 1, diphtheria 1, and 16 from tuberculosis.

WEST INDIES—*Jamaica—Kingston.*—Month of December, 1908. Estimated population, 52,065. Total number of deaths, 163, including enteric fever 6, and 21 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to January 29, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-21	9	5	
India:				
Bombay	Dec. 9-22		39	
Calcutta	Nov. 1-Dec. 12		57	
Madras	Nov. 14-Dec. 18		49	
Negapatam	Oct. 31-Nov. 6		1	
Rangoon	Nov. 8-Dec. 12		9	
Indo-China—Cholen	Nov. 9-15	1	1	
Persia:				
Tabriz	Oct. 9-Nov. 30	1,000	500	Dec. 9, still present.
Philippine Islands:				
Manila	Nov. 1-Dec. 5	77	52	
Provinces—				
Antique	Nov. 1-Dec. 5	150	85	
Bataan	Nov. 1-7	1	1	
Bulacan	Nov. 1-Dec. 5	70	59	
Capiz	Nov. 1-Dec. 5	511	278	
Cagayan	Nov. 1-Dec. 5	46	34	
Cavite	Nov. 1-Dec. 5	55	39	
Ilocos Norte	Nov. 1-Dec. 5	158	125	
Ilocos Sur	Nov. 1-Dec. 5	131	84	
Iloilo	Nov. 1-Dec. 5	230	116	
La Laguna	Nov. 1-Dec. 5	53	37	
Leyte	Nov. 1-Dec. 5	39	27	
Negros Occidental	Nov. 1-Dec. 5	188	128	
Palawan	Nov. 1-28	7	4	
Pampanga	Nov. 1-28	3	3	
Rizal	Nov. 1-28	71	60	
Samar	Nov. 1-Dec. 5	116	83	
Surigao	Nov. 15-21	1		
Union	Nov. 1-7	6	4	
Russia, general	Nov. 15-Jan. 2	2,796	1,208	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Amolinsk	Nov. 15-Dec. 19	29	13	
Bakoo	Nov. 22-28	3	2	
Batoom	Nov. 15-21	4	2	
Cronstadt	Nov. 15-21	1	1	
Don, territory of	Nov. 15-Dec. 31	141	74	
Ekaterinislav	Nov. 15-Dec. 26	27	11	
Erivan	Dec. 1-31	28	21	
Kerson	Nov. 15-Dec. 19	2		
Kharkov	Dec. 6-12	1		
Kief	Nov. 15-Dec. 12	11	1	
Kooban	Nov. 15-Dec. 31	139	76	
Kostroma	Dec. 6-12	1		
Livonia	Nov. 15-21	2	1	
Moscow district	Dec. 6-12	2	2	
Odessa	Nov. 29-Dec. 12	2	2	
Olonets	Nov. 21-28	1	1	
Poltava	Nov. 29-Dec. 5	3		
Samara gov't dist	Nov. 29-Dec. 5	7	7	
Samarcand	Dec. 6-12	10	7	In vicinity.
Saratov	Nov. 15-Dec. 12	11	6	
Semipalatinsk, territory of	Dec. 19-26	1		
Stavropol	Nov. 15-21	1		
St. Petersburg, government	Nov. 15-Dec. 12	11	3	
St. Petersburg	Nov. 29-Dec. 31	688	215	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Tambov	Nov. 15-Dec. 12	16	8	
Tavride	Nov. 15-Dec. 19	9	5	
Terek, territory of	Nov. 15-Dec. 19	99	62	
Tiflis	Nov. 15-21	9	4	
Tomsk	Nov. 15-Dec. 19	81	37	
Tver, district	Nov. 15-Dec. 5	4		
Volgoda	Dec. 6-12	1		
Yelisavetpol	Nov. 26-Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1-30			Present.
Straits Settlements:				
Singapore	Nov. 8-Dec. 5		67	

YELLOW FEVER.

Barbados:				
Bridgetown	Dec. 12-Jan. 10	4	3	Dec. 27-Jan. 4, 2 cases in parish of St. Lucy.
Brazil:				
Bahia	Nov. 15-Dec. 5	3	2	
Manaos	Nov. 29-Dec. 19		3	
Para	Nov. 22-Dec. 26	13	13	
Cuba:				
Oriente province—San Luis	Jan. 1-2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago where 1 case died Dec. 31.
Dutch Guiana:				
Paramaribo	Dec. 1-31	18	4	
Ecuador:				
Guayaquil	Nov. 29-Jan. 2		10	
Martinique:				
Fort de France	Dec. 13-19	1		
Mexico:				
Itzincal plantation	Dec. 6-12	2	2	
Maxcanu	Dec. 6-26	2	2	Aug. 22-Dec. 18, 5 cases not previously reported.
Merida	Dec. 6-Jan. 9	10	5	
San Bernardo plantation	Dec. 27-Jan. 9	2	1	
Sodzil plantation	Dec. 13-Jan. 2	7	4	
Veracruz	Dec. 6-Jan. 2	11	4	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Australia:				
Brisbane	Nov. 1-7	1	1	
Brazil:				
Bahia	Nov. 15-Dec. 5	12	6	
Pernambuco	Nov. 1-15	3		
Rio de Janeiro	Nov. 16-Dec. 13	81	14	
Chile:				
Iquique	Nov. 22-Dec. 13	2	1	
China:				
Hankau	Dec. 5	1	1	On steamship.
Hongkong	Nov. 8-14	1	1	
Tientsin	Oct. 18-Nov. 21			Still present.
Tongshan	Nov. 1-14			Present
Ecuador:				
Guayaquil	Nov. 29-Dec. 26		6	
Milagro	Nov. 17-Dec. 12	17	8	Dec. 19, still present.
Egypt:				
Alexandria	Nov. 14-Dec. 4	3		
Port Said	Dec. 4	1		
Provinces—				
Assiout	Dec. 2-29	2	2	
Beherach	Nov. 24-Dec. 26	11	6	
Galyoobeeyeh	Nov. 21-Dec. 17	1		
Garbieh	Nov. 27-28	3		
Girgeh	Oct. 18-Dec. 30	4	3	
Fayoum	Nov. 23-Dec. 1	1	1	
Menouf	Nov. 27-Dec. 30	147	29	
Minieh	Nov. 25-Dec. 29	1		
India:				
Bombay Presidency and Sind.	Nov. 2-Dec. 17	7,533	5,307	
Madras Presidency	Nov. 2-Dec. 17	478	354	
Bengal	Nov. 2-Dec. 17	639	535	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
United Provinces	Nov. 2-Dec. 17	506	436	
Punjab	Nov. 2-Dec. 17	2,813	2,243	
Burma	Nov. 2-Dec. 17	339	333	
Central provinces, including Berar.	Nov. 2-Dec. 17	1,152	865	
Coorg	Nov. 2-Dec. 17	5	8	
Mysore State	Nov. 2-Dec. 17	1,375	937	
Hyderabad State	Nov. 2-Dec. 17	256	222	
Central India	Nov. 2-Dec. 17	502	395	
Rajputana	Nov. 2-Dec. 17	410	413	
Grand total		16,008	12,013	
Indo-China:				
Cholen	Oct. 25-Nov. 21	10	9	Including Chuquan.
Saigon	Oct. 25-Nov. 28	4	4	
Japan:				
Formosa	Nov. 8-14	17	5	
Mauritius	Oct. 2-Nov. 5		32	
Peru:				
Callao	Nov. 13-Dec. 17	4		
Catacaos	Dec. 11-17	3		
Chepen	Nov. 27-Dec. 17	9	1	
Chiclayo	Nov. 13-Dec. 17	7	4	
Eten	Nov. 13-Dec. 17	8	7	
Ferrenafe	Nov. 13-Dec. 17	7	2	
Lima	Nov. 13-Dec. 17	24	6	
Mollendo	Nov. 13-Dec. 3	4	2	
Monsefu	Nov. 13-Dec. 3	5		
Oyotun, plantation	Nov. 20	4		
Paita	Dec. 11-17	3	2	
Piura	Dec. 11-17	3		
San Jose (Lambayeque)	Nov. 13-Dec. 3	2		
San Pedro	Nov. 13-Dec 17	14	8	
Trujillo	Nov. 13-Dec. 17	59	20	
Siam:				
Bangkok	Sept. 27-Oct. 24	5	1	Present in November.
Straits Settlements:				
Singapore	Nov. 30-Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6-Dec. 5	14	5	

SMALLPOX.

Arabia:				
Aden	Nov. 25-Dec. 21		42	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1		
Austria:				
Galicia	Dec. 20-26	4		
Brazil:				
Bahia	Nov. 15-Dec. 5	61	4	
Pernambuco	Nov. 1-15		22	
Rio de Janeiro	Nov. 16-Dec. 13	718	369	
Santos	Nov. 1-Dec. 6		9	
São Paulo	Nov. 1-Dec. 6		22	
Canada:				
British Columbia—				
Vancouver	Dec. 1-31	1		
Victoria	Dec. 12	25	4	
Manitoba—				
Winnipeg	Dec. 20-Jan. 11	5		
Ontario—				
Toronto	Nov. 8-28	7		
Nova Scotia—				
Halifax	Dec. 13-Jan. 16	11		
Yarmouth	Dec. 1-31	1		
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Ceylon:				
Colombo	Nov. 1-21	62	13	
Chile:				
Talcaguana	Nov. 20			Present in vicinity.
China:				
Amoy	Oct. 11-Nov. 8		2	
Shanghai	Nov. 11-Dec. 12	2		From U. S. transport Seward.

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Cholera, yellow fever, plague, and smallpox—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Cuba:				
Habana	Dec. 26-27	2		On s. s. Floride.
Egypt, general	Nov. 12-Dec. 16	245	54	
Alexandria	Nov. 26-Dec. 2		1	
Cairo	Nov. 19-Dec. 23	23	19	
France:				
Marseille	Dec. 1-31		1	
Paris	Nov. 22-Jan. 2	20	1	
Germany:				
Breslau	Dec. 20-26	1		
Greece:				
Athens	Nov. 22-Dec. 12		3	
Great Britain:				
Bristol	Dec. 13-19	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 749 deaths.
India:				
Bombay	Nov. 25-Dec. 22		10	
Calcutta	Nov. 1-Dec. 12		31	
Madras	Nov. 28-Dec. 4	1		
Rangoon	Nov. 22-Dec. 5		2	
Indo-China:				
Cholen	Nov. 15-21	1	1	
Saigon	Nov. 1-28	2		
Italy, general	Nov. 30-Jan. 3	68		
Florence	Nov. 24-30	2		
Genoa	Dec. 1-15	1		
Naples	Dec. 7-27	60	20	
Polesella	Dec. 1			Epidemic.
Japan:				
Formosa	Nov. 29-Dec. 12	6		
Java:				
Batavia	Nov. 1-Dec. 5	14	1	
Malta	Nov. 22-28	1		On vessel.
Mexico:				
Guadalajara	Jan. 7	1		
Mexico City	Nov. 8-Dec. 5		22	
Monterey	Jan. 4-17	1	1	
Salina Cruz	Jan. 1-15	5		
Veracruz	Dec. 13-Jan. 9	3	2	
Yucatan (Camp Mengel)	Dec. 21	1		
Newfoundland:				
St. Johns	Jan. 10-16	3		From s. s. Portia.
Norway:				
Christiania	Nov. 22-28	1	1	
Persia:				
Hamadan	Oct. 2-8			Present.
Tabriz	Oct. 2-8			Do.
Teheran	Sept. 18-Oct. 28		10	
Peru:				
Lima	Nov. 22-Dec. 10	4		Dec. 19, 3 cases in the Lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-14	2	2	
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-Jan. 2	9		
Russia:				
Moscow	Nov. 29-Dec. 19	64	22	
Riga	Nov. 29-Dec. 19	4		
St. Petersburg	Nov. 15-Dec. 19	24	6	
Warsaw	Nov. 1-28		10	
Servia:				
Belgrade	Dec. 6-12	2		
Siam:				
Bangkok	Nov. 1-30			Present.
Spain:				
Barcelona	Dec. 6-26		5	
Cartagena	July 1-31		15	
Madrid	Nov. 1-30		9	
Valencia	Nov. 29-Jan. 9	12	3	
Vigo	Nov. 30-Dec. 26		8	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Turkey in Europe:				
Constantinople	Dec. 7-27		27	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Dec. 26	178,210	41									2		1
Do	Jan. 2	178,210	51									1	1	
Acapulco	Jan. 3	5,000	8											
Aguascalientes	...do	40,000	44	2								1		
Do	Jan. 10	40,000	33											1
Aix la Chapelle	Dec. 19	158,720	47	4									1	1
Do	Dec. 26	158,720	46	4										1
Alexandria	Dec. 9	383,934	191	19				1		1		2	1	
Do	Dec. 16	383,934	208	16						1		1		
Amsterdam	Jan. 2	505,222	157	22						2			6	1
Antwerp	Dec. 26	312,571	60	6							1	1		1
Asuncion	Dec. 5	75,000	22	2						1				
Athens	Dec. 26	241,058	76	10					2	1		1	4	
Bahia	Nov. 21	265,000	66	2	2			2						
Do	Nov. 28	265,000	91	13	3		1	1						
Do	Dec. 5	265,000	84	14	1		1	1						
Baracoa	Jan. 2	27,000	6											
Do	Jan. 9	27,000	6											
Barcelona	Dec. 26	600,000	176	13				1	2	14		3		
Barmen	Nov. 19	161,000	33	4										1
Do	Nov. 26	161,000	42	3							1		2	
Barranquilla	Dec. 19	40,000	24	1										
Do	Dec. 26	40,000	14	2										
Do	Jan. 2	40,000	17	3										
Basel	Dec. 26	131,000	27	4								1		
Belfast	...do	380,344	171	35							1	1		
Do	Jan. 2	380,344	156	30							1			
Belize	Jan. 7	9,113	5											
Berlin	Dec. 19	2,211,437	544	83							9	10	5	6
Birmingham	Dec. 26	558,336	121							1	3	2	8	1
Do	Jan. 2	558,336	201							1	1	4	10	2
Bluefields	Jan. 9	2,500	3											
Bombay	Dec. 22	977,822	605	48	4	23		3		1			1	
Bordeaux	Dec. 26	253,000	72	11						1		1	2	
Do	Jan. 2	253,000	122	15									3	
Bradford	Dec. 26	292,136	73	7							2	2		1
Bremen	...do	233,907	49	7							1	2	1	
Brussels	...do	630,078	136	10							1	3		1
Cairo	Dec. 23	692,657	388	27				8	6	1		6		
Cardiff	Dec. 19	191,446	46	5								1		1
Do	Dec. 26	191,446	47	5										1
Do	Jan. 2	191,446	55	4								1		
Cartagena	Dec. 31	30,000	20	2										
Ceiba	Jan. 2	6,500	1											
Chemnitz	Dec. 19	271,767	98	9								1	1	1
Do	Dec. 26	271,767	99	6								2	3	2
Christiania	...do	233,000	33									1		1
Cienfuegos	Jan. 2	37,000	16	5								1		
Cognac	...Do	19,483	11											
Colon	Dec. 27	16,000	11	2										
Constantinople	...do	1,000,000	307	36				6		9	1	1		
Copenhagen	Dec. 12	440,000	130	17						1				2
Dalny	Dec. 19	36,070	10	2										
Damascus	...do	250,000	50											
Denia	Dec. 26	12,421	4											
Dublin	...do	394,525	136	25						1		1	3	2
Do	Jan. 2	394,525	226	40								2	3	3
Dundee	...do	168,616	59								1	1		
East London	Dec. 12	49,253	2											
Edinburgh	Dec. 26	350,524	114	17						1				3
Do	Jan. 2	350,524	105											2
Fort-de-France	Dec. 26	27,069	13											
Do	Jan. 2	27,069	18											
Frankfort on the Main	Dec. 19	359,000	91							1	2	6	2	1
Frontera	Dec. 26	9,000	6											
Do	Jan. 2	9,000	3											
Do	Jan. 9	9,000	10											
Ghent	Dec. 26	165,083	54	7										3
Glasgow	Jan. 1	859,715	244							4	1	5	1	16
Do	Jan. 8	859,715	309								1	3		20
Gothenburg	Dec. 26	160,500	40	5						1		2		1
Greenock	...do	71,783	22											1
Do	Jan. 2	71,783	26											

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Guayaquil	Dec. 26	75,000	45	9	2		2							
Guadalajara	Jan. 7	125,000	69					1						
Halifax	Jan. 9	40,787	21	1								2		
Hamburg	Jan. 2	854,472	275	22						2	8	7	3	7
Hamilton, Bermuda	Jan. 4	20,205	4											
Do	Jan. 11	20,205	5											
Havre	Dec. 26	132,430	67	16										
Hilo, Hawaii	Jan. 2	3,500	8	3						1				
Hull	Dec. 26	271,137	76									1	9	
Königsberg	Dec. 19	237,600	79	3								1		1
Do	Dec. 26	237,600	89	13										
Leeds	...do	477,107	120	14								4	1	4
Do	Jan. 2	477,107	156	9						3		4	5	1
Leipzig	Dec. 26	528,184	147	14						1	3	2	2	
Leith	...do	84,689	28	8										
Do	Jan. 2	84,689	24	2										
Libau	Nov. 21	90,000									1			
Do	Nov. 28	90,000									2	1		
Do	Dec. 5	90,000									5			
Do	Dec. 12	90,000									1	1		
Liege	Dec. 19	174,852	57	4						1				3
Do	Dec. 26	174,852	46	4										2
Liverpool	Jan. 2	753,203	337	16						3	6	2	8	5
London	...do	4,795,757	1,804							7	7	23	86	11
Lyons	Dec. 26	472,114	155	29								1		
Madras	Dec. 18	509,346	332			3							2	
Manchester	Jan. 2	649,251	282	35						9	4	4	14	2
Mannheim	Dec. 12	180,642	39	7										
Do	Dec. 19	180,642	46	6								1		
Matamoras	Jan. 9	8,000	7											
Mayaguez	Jan. 2	35,700	23	4								1		
Monterey	Jan. 10	100,000	68					1		1				
Montreal	Jan. 9	378,856	165	22						11	5	3	3	2
Nagasaki	Dec. 13	173,118	47							1		1		
Do	Dec. 20	173,118	36											
Newcastle-on-Tyne	Dec. 26	272,961	108							1	1	1	3	
Do	Jan. 2	272,961	95										4	
Niuchwang	Dec. 12	60,000	4											
Nottingham	Dec. 26	260,000	66	1							1	3	2	1
Nuevo Laredo	Jan. 9	8,000	6	1						1				
Nuremberg	Dec. 12	311,650	106	22										3
Ottawa	Dec. 19	80,200	23									1		
Do	Dec. 26	80,200	25											
Do	Jan. 2	80,200	21											
Do	Jan. 9	80,200	27											
Paris	Dec. 19	2,776,394	849	185						5	2	5	3	6
Do	Dec. 26	2,776,394	902	187						5	5	3	3	7
Do	Jan. 2	2,776,394	1,017	210						5	3	9	1	
Penang	Dec. 12	101,469	89	13										
Plymouth	Jan. 2	122,113	37							2				
Port Elizabeth	Dec. 19	32,959	20	3						1				
Rangoon	Dec. 12	252,155	179	2		1								
Rome	Oct. 3	559,715	134	15						2			5	
Do	Oct. 10	559,715	171	22						3	1		2	
Do	Oct. 17	559,715	185	25						4	1	1	8	1
Do	Oct. 24	559,715	147	16						2			4	
Do	Oct. 31	559,715	151	23						6			3	
Do	Nov. 7	559,715	171	20						6		4	1	
Rotterdam	Jan. 2	411,027	151							1	4	6		
St. John, N. B	Jan. 9	40,711	11	2								1		
St. Petersburg	Dec. 19	1,678,000	745	121		45		2		13	30	12	5	9
San Feliu de Guixols	Jan. 2	11,094	3											
Santa Cruz de Teneriffe	Dec. 26	46,000	17	4										
Santiago de Cuba	Jan. 2	45,497	9	1										
Do	Jan. 9	45,497	15	4										
Shanghai	Dec. 5	544,500	124	17						5	1	2		
Sheffield	Dec. 12	440,000	143	14						1		1	9	
Do	Dec. 19	440,000	124	12						1	2	1	7	
Do	Dec. 26	440,000	117	10									8	1
Do	Jan. 2	440,000	155	19						1	2	1	6	3
Singapore	Dec. 5	260,000	320	32	1	29				1				
Southampton	Jan 2	122,196	29								1	1		

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Weekly mortality table, foreign and insular cities—Continued.

Cities	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
South Shields	Dec. 26	115,535	31	3								1		1
Do	Jan. 2	115,535	34	4							1			1
Stettin	Dec. 26	230,000	68	4							2	1	4	
Do	Jan. 2	230,000	93	3								2	2	
Stockholm	Dec. 19	337,460	88	14							2	2		
Sunderland	...do	157,495	53	5						1	1		5	
Do	Dec. 26	157,495	56	3								1	6	1
Do	Jan. 2	157,495	73	3									2	
Tegucigalpa	Dec. 30	24,000	8											
Valencia	Dec. 26	250,000	97	11						1		2		
Veracruz	Dec. 19	32,000	42	7			1	1						
Do	Dec. 26	32,000	42	8			1	1						
Do	Jan. 2	32,000	31	6			1							
Vienna	Dec. 26	2,042,426	668	97						1	9	19	19	6
Victoria, B. C	Jan. 2	30,000	2											
Do	Jan. 9	30,000	8											
Vigo	Dec. 26	40,000	24	2				2					2	
West Hartlepool	...do	66,750	23											
Do	Jan. 2	66,750	18											
Winnipeg	Jan. 9	118,000	30											
Zanzibar	Nov. 30	75,000	35	8										
Zurich	Dec. 28	180,000	44	7								1		1
Do	Jan. 2	180,000	51	4								1	1	

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at Oakland and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended January 23, 1909.

Sick inspected	10
Plague	0
Dead inspected	101
Plague	0
Premises inspected	9,553
Houses disinfected	8
Houses destroyed	5
Buildings condemned	10
Nuisances abated	700
Rats found dead	77
Rats trapped	2,122
Total rats taken	2,199
Rats identified:	
Mus norvegicus	1,563
Mus rattus	55
Mus musculus	529
Total	2,147
Rats identified as to sex	1,555
Male	650
Female	905
Rats examined bacteriologically	1,487
Plague rats	0
Poisons placed	74,140

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

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Week ended January 16, 1909.

Dead inspected	27
Plague	0
Necropsies held	1
Premises inspected	723
Nuisances abated	145
Premises cleaned	180
Garbage cans installed	137
Places made rat proof	5
Rats found dead	12
Rats trapped	678
Rats examined bacteriologically	625
Plague rats	0
Mice trapped	66
Mice examined bacteriologically	66
Plague mice	0
Poisons placed	3,355

Week ended January 23, 1909.

Dead inspected	22
Plague	0
Necropsies held	4
Premises inspected	663
Nuisances abated	121
Premises cleaned	149
Garbage cans installed	125
Places made rat proof	9
Rats found dead	34
Rats trapped	644
Rats examined bacteriologically	647
Plague rats	0
Mice trapped	24
Mice examined bacteriologically	24
Plague mice	0
Poisons placed	8,762

POINT RICHMOND, CAL.

Week ended January 16.

Sick inspected	1
Plague	0
Dead inspected	1
Plague	0
Premises inspected	490
Nuisances abated	28
Rats found dead	21
Rats trapped	43
Rats examined bacteriologically	45
Plague rats	0
Poisons placed	14,000

Week ended January 23.

Sick inspected	2
Plague	0
Dead inspected	2
Plague	0
Premises inspected	490
Nuisances abated	25
Rats found dead	21
Rats trapped	43
Rats examined bacteriologically	33
Plague rats	0
Poisons placed	14,000

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ALAMEDA COUNTY, CAL.

Week ended January 16.

Sick inspected	7
Plague	0
Dead inspected	60
Plague	0
Necropsy held	1

Week ended January 23.

Sick inspected	14
Plague	0
Dead inspected	47
Plague	0
Necropsies held	4

CONTRA COSTA COUNTY, CAL.

Week ended January 16.

Dead inspected	4
Plague	0
Necropsies held	3

Week ended January 23.

Dead inspected	3
Plague	0
Ranches inspected	46
Ranches found free from squirrels	4
Ranches poisoning squirrels	1
Ranches refusing to poison squirrels	1
Necropsy held	1

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, January 25:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended January 23, 1909.

Rats received	954
Rats necropsied	877
Plague rats	0
Plague infected rats to date	21
Vessels inspected	19
Vessels fumigated	0

Report from Cairo, Ill.—Smallpox—Vaccination.

Passed Assistant Surgeon Wilson reports, January 28:

Smallpox has increased in prevalence in Cairo during the last few weeks. There are probably more than 100 cases now under treatment. A physician has been appointed by the mayor to take charge of the situation. Formerly a nonmedical man was acting as health officer. Vaccination is being urged on the people through the physicians and the schools.

All patients whether admitted to the Marine Hospital or treated as out-patients are vaccinated without regard to whether they have old scars or not. All persons living on the reservation have been recently vaccinated.

Crews of vessels are vaccinated at the request of captains, and captains are advised that vaccination be done.

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STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*Sacramento.*—Month of December, 1908. Estimated population, 50,000. Total number of deaths 69, including enteric fever 1, diphtheria 2, and 9 from tuberculosis. Cases: Diphtheria 10, measles 3, scarlet fever 2, enteric fever 5, and smallpox 9.

IOWA—*Keokuk.*—Month of December, 1908. Estimated population, 16,000. Total number of deaths not reported, including 2 from tuberculosis. Cases: Enteric fever 1, scarlet fever 1, diphtheria 1, and tuberculosis 1.

MICHIGAN—*Port Huron.*—Two months ended January 9, 1909. Estimated population, 26,874. Total number of deaths, 37, including enteric fever 1, and 1 from tuberculosis. Cases: Enteric fever 10, diphtheria 1, smallpox 4, and tuberculosis 1.

MINNESOTA—*Minneapolis.*—Month of December, 1908. Estimated population, 300,000. Total number of deaths, 244, including diphtheria 9, enteric fever 7, scarlet fever 1, and 23 from tuberculosis. Cases: Diphtheria 105, enteric fever 3, scarlet fever 33, smallpox 13, and tuberculosis 26.

MISSOURI—*St. Louis.*—Month of November, 1908. Estimated population, 722,000 (white, 675,700; colored, 46,500). Total number of deaths, 800 (white, 725; colored, 75), including diphtheria 22, measles 1, enteric fever 9, and 92 from phthisis pulmonalis. Cases of contagious diseases reported: Diphtheria 247, enteric fever 33, measles 34, scarlet fever 80, whooping cough 8, smallpox 3, and tuberculosis 126.

NEW YORK.—Month of November, 1908. Estimated population, 8,546,356. Reports to the state department of health show as follows: Total number of deaths, 10,306, corresponding to an annual death rate of 14.5 per 1,000 of the population, including enteric fever 149, measles 20, scarlet fever 63, whooping cough 24, diphtheria 200, and 1,242 from tuberculosis. Cases: Diphtheria 1,960, enteric fever 586, measles 1,147, scarlet fever 1,658, smallpox 55, and tuberculosis 2,097.

Auburn.—Month of December, 1908. Estimated population, 38,500. Total number of deaths, 37, including enteric fever 1, whooping cough 1, and 7 from tuberculosis. Cases of contagious diseases reported: Diphtheria 4, enteric fever 3, whooping cough 3, phthisis pulmonalis 6.

Troy.—Month of December, 1908. Estimated population, 77,650. Total number of deaths, 123, including diphtheria 2, enteric fever 4, and 18 from tuberculosis. Cases: Enteric fever 16, diphtheria 18, scarlet fever 1, whooping cough 5, and 11 from tuberculosis.

OHIO—*Columbus.*—Month of November, 1908. Estimated population, 185,000. Total number of deaths, 182, including enteric fever 2,

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diphtheria 3, and 23 from tuberculosis. Cases: Diphtheria 5, enteric fever 17, measles 11, scarlet fever 42, whooping cough 3, and tuberculosis 132.

Month of December. Total number of deaths, 152, including enteric fever 3, scarlet fever 1, diphtheria 2, and 19 from tuberculosis. Cases: Diphtheria 6, scarlet fever 30, whooping cough 1, measles 46, enteric fever 13, and tuberculosis 81.

Cleveland.—Month of December, 1908. Estimated population, 515,000. Total number of deaths, 549, including diphtheria 12, enteric fever 7, measles 2, scarlet fever 1, and 59 from tuberculosis. Cases of contagious disease not reported.

PENNSYLVANIA—*Titusville.*—Annual report for the year 1908. Estimated population, 8,244. Total number of deaths, 125, including measles 1, scarlet fever 1, and 8 from tuberculosis. Cases: Scarlet fever 39, enteric fever 15, measles 208, diphtheria 1.

TEXAS—*San Antonio.*—Month of December, 1908. Estimated population, 100,000. Total number of deaths, 153, including enteric fever 2, and 25 from tuberculosis. Cases: Enteric fever 7, diphtheria 7, smallpox 6, and measles 1.

UTAH—*Salt Lake City.*—Month of December, 1908. Estimated population, 85,000. Total number of deaths from all causes, 89, including enteric fever 2, diphtheria 2, whooping cough 1, scarlet fever 8, and 5 from tuberculosis. Cases: Diphtheria 8, whooping cough 26, measles 2, scarlet fever 62, enteric fever 5.

WASHINGTON—*Seattle.*—Month of October, 1908. Estimated population, 276,562. Total number of deaths, 162, including scarlet fever 1, enteric fever 10, whooping cough 1, and 16 from tuberculosis. Cases: Diphtheria 59, measles 9, enteric fever 66, scarlet fever 38, smallpox 3, tuberculosis 9.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to February 5, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Jan. 12-23	1		
Tuscaloosa County	Feb. 6-Dec. 31	86		Year 1908.
Total for State		87		
Arkansas:				
Little Rock	Dec. 15-Jan. 2	23		
Texarkana	Nov. 26-Jan. 11	10		
Total for State		33		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks
California, general	Nov. 1-30		2	
Los Angeles	Dec. 6-Jan. 16	8		
Oakland	Nov. 1-Dec. 31	6		
Sacramento	Nov. 1-Dec. 31	24		
San Francisco	Dec. 13-Jan. 16	15		
Stockton	Nov. 1-30	12		
Total for State		65	2	
District of Columbia:				
Washington	Dec. 28-Jan. 2	1		
Total for District		1		
Illinois:				
Belleville	Dec. 4-20	3		
Browning	Oct. 25-Jan. 20	75		
Cairo	Jan. 7-28	100		
Centralia	July 1-Jan. 20	53		
Chicago	Jan. 3-23	3		
Danville	Jan. 11-24	2		
Ladd	Nov. 1-30	4		
Peoria	Dec. 20-26	4		
Taylorville	Aug. 1-Jan. 20	40		
Total for State		284		
Indiana:				
Allen County, Fort Wayne	Jan. 10-16	1		
Benton County	Nov. 1-30	1		
Boone County	Nov. 1-30	1		
Carroll County	Oct. 1-31	26		
Clay County	Oct. 1-31	8		
Dearborn County	Oct. 1-31	1		
Elkhart County	Oct. 1-Nov. 30	7		
Elkhart	Jan. 17-23	2		
Hendricks County	Nov. 1-30	2		
Madison County	Oct. 1-31	1		
Anderson	Dec. 1-31	1		
Marion County, Indianapolis	Jan. 18-24	1		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Nov. 30	18		
Lafayette	Dec. 15-Jan. 25	39	1	
Tipton County	Nov. 1-30	1		
Vanderburg County	Jan. 15	2		
Evansville	Jan. 10-28	5		
Vigo County	Oct. 1-Nov. 30	6		
Wabash County	Nov. 1-30	3		
Wayne County	Nov. 1-30	8		
Total for State		136	1	
Iowa, general	July 1-Sept. 30		2	
Council Bluffs	July 1-Dec. 31	19	2	
Total for State		19	4	
Kansas:				
Atchison County—				
Atchison	Dec. 20-Jan. 16	2		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-30	15		
Crawford County—				
Pittsburg	Nov. 1-Dec. 31	107		
Harvey County	Nov. 1-30	3		
Jackson County	Nov. 1-30	85		
Montgomery County	Nov. 1-30	11		
Pottawatomie County	Nov. 1-30	22		
Reno County	Nov. 1-30	2		
Riley County	Nov. 1-30	2		
Saline County	Nov. 1-30	16		
Shawnee County	Nov. 1-30	2		
Topeka	June 7-Jan. 23	37		
Sumner County	Nov. 1-30	5		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-23	3		
Total for State		325		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kentucky:				
Anderson County	Oct. 1–Jan. 20	200	1	Including Lawrenceburg
Covington	Dec. 29–Jan. 23	7		
Henderson		7		Jan. 1–June 30, 1908.
Lexington	Dec. 28–Jan. 23	17		
Newport	July 1–Jan. 30	20	1	Jan. 1–June 30, 1908, 16 cases, 1 death.
Total for State		251	1	
Louisiana:				
Arcadia Parish	Dec. 20–Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20–Jan. 23	7		
Shreveport	Jan. 1–20	32	1	
Total for State		69	1	
Maine:				
Cyr plantation	Oct. 16–24	11		
Frenchville	Nov. 11–Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16–Dec. 12	26		
St. Agatha	Oct. 24–Dec. 26	9		
St. David	Dec. 13–19	1		
Upper Frenchville	Oct. 25–Nov. 11	2		
Van Buren	Oct. 18–Jan. 23	81		
Total for State		132		
Massachusetts:				
Taunton	Jan. 3–9	1		
Total for State		1		
Michigan:				
Barry County	Nov. 1–30	2		
Delta County	Nov. 1–30	1		
Ingham County—				
Lansing	Nov. 1–30	6		
Macomb County	Nov. 1–30	1		
Manistee County	Nov. 1–30	2		
Muskegon County	Nov. 1–30	13		
Saginaw County—				
Saginaw	Jan. 16–23	1		
St. Clair County	Nov. 1–30	1		
Port Huron	Nov. 1–30–Dec. 5	3		
Wayne County—				
Detroit	Jan. 10–30	4		
		34		
Minnesota:				
Becker County	Dec. 7–13	1		
Benton County	Oct. 26–Nov. 2	1		
Brown County	Oct. 20–Nov. 23	11		
Carver County	Dec. 7–13	6		
Cass County	Oct. 12–Dec. 7	1		
Chippewa County	Nov. 3–9	1		
Cottonwood County	Oct. 20–26	1		
Dodge County	Nov. 24–Dec. 7	2		
Faribault County	Dec. 7–13	1		
Hennepin County	Oct. 6–12	1		
Minneapolis	Nov. 1–Dec. 31	21		
Hubbard County	Oct. 19–Dec. 7	11		
Jackson County	Dec. 7–13	1		
Lac qui Parle County	Nov. 2–Dec. 13	3		
Lyon County	Nov. 16–Dec. 13	2		
Morrison County	Nov. 20–Dec. 13	20		
Nicolett County	Nov. 16–Dec. 13	3		
Norman County	Dec. 7–13	5		
Pipestone County	Dec. 7–13	6		
Ramsey County	Nov. 16–Dec. 7	2		
St. Paul	Oct. 6–Dec. 13	57		
Renville County	Dec. 1–7	1		
St. Louis County				
Duluth	Nov. 9–Jan. 22	3		
Sibley County	Dec. 7–13	9		
Stearns County	Nov. 9–Dec. 7	4		
Steele County	Oct. 20–Dec. 7	4		
Stevens County	Nov. 9–Dec. 13	12		
Todd County	Nov. 9–Dec. 13	3		
Wabasha County	Nov. 2–Dec. 7	10		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Wadena County	Nov. 2–Dec. 13	15		
Saseka County	Oct. 26–Dec. 7	9		
Washington County	Nov. 24–30	1		
Stillwater	Dec. 1–31	3		
Winona County	Dec. 1–7	1		
Winona	Dec. 1–7	4		
Yellow Medicine County	Oct. 20–26	1		
Total for State		237		
Mississippi:				
De Soto County	Nov. 1–Dec. 22	135		
Total for State		135		
Missouri:				
St. Joseph	Dec. 1–31	1		
St. Louis	Dec. 20–Jan. 16	4		
Springfield	Nov. 1–Dec. 31	2		
Total for State		7		
Montana:				
Butte	Dec. 2–Jan. 29	17		
Total for State		17		
Nebraska:				
Lincoln	Nov. 1–Dec. 30	5		
South Omaha	Dec. 20–Jan. 16	2		
Total for State		7		
New Hampshire:				
Hinsdale	Nov. 1–Dec. 15	6		
West Chesterfield	Nov. 1–Dec. 15	1		
Westmoreland	Nov. 1–Dec. 15	1		
Total for State		8		
North Carolina:				
Bertie County	Nov. 1–30	1		
Catawba County	Nov. 1–30	1		
Currituck County	Nov. 1–30	3		
Johnston County	Nov. 1–30	1		
Pasquotank County	Nov. 1–30	17		
Wilmington	Jan. 22	1		Imported.
Total for State		24		
Ohio:				
Cincinnati	Dec. 12–Jan. 22	55		
Newark		3		Year 1908.
Tiffin	Jan. 3–23	2		
Total for State		60		
Oregon:				
Clackamas County	Sept. 1–30	1		
Harney County	Sept. 1–30	1		
Jackson County	Oct. 1–31	1		
Linn County	Sept. 1–Oct. 31	5		
Marion County	Sept. 1–Oct. 31	3		
Multnomah County, Portland.	Nov. 1–30	29		
Polk County	Sept. 1–Oct. 31	8		
Tillamook County	Oct. 1–31	1		
Umatilla County	Sept. 1–30	1		
Wallowa County	Oct. 1–31	1		
Washington County	Oct. 1–31	17		
Yamhill County	Sept. 1–30	7		
Total for State		75		
Pennsylvania:				
Gracedale	Oct. 24	1		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 19–25	1		
Pittsburg	Dec. 13–19	1		Imported.
Total for State		3		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Tennessee:				
Green County	Jan. 2	103		Including Greenville.
Knoxville	Dec. 28–Jan. 16	7		
Memphis	Jan. 18	1		Imported.
Nashville	Dec. 20–Jan. 30	15		
Polk County	Jan. 22	30		
Total for State		156		
Texas:				
Cost	Oct. 1–Dec. 19			Present.
Cotulla	Jan. 25			Do.
Fulfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Laredo	Dec. 26	2		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–Jan. 23	36		
San Augustine County	Jan. 5			Do.
Total for State		306		
Utah:				
Davis County	Nov. 1–30	5		
Salt Lake City	Dec. 1–31	77		
Weber County	Nov. 1–30	1		
Total for State		83		
Vermont:				
Newfane	Jan. 11	8		And vicinity.
West Windsor	Jan. 23	2		
Total for State		10		
Virginia:				
Lynchburg	Jan. 10–30	3		Imported.
Total for State		3		
Washington:				
Seattle	Nov. 1–Oct. 31	10		
Spokane	Dec. 6–Jan. 2	3	1	
Tacoma	Dec. 14–Jan. 17	31		
Total for State		44	1	
Wisconsin:				
La Crosse	Dec. 13–Jan. 23	20		
Manitowoc	Dec. 13–Jan. 23	5		
Milwaukee	Dec. 6–Jan. 23	57		
Total for State		82		
Grand total for the United States		2,694	10	

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Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Jan. 23	38,973	20		1			2		1					
Ann Arbor, Mich	do	14,509	4					1				1			
Auburn, N. Y	Jan. 9	30,345	5			6				1					
Do	Jan. 16	30,345	10	2			1					1			
Baltimore, Md	Jan. 23	508,957	180	17	27	7	3	11	1	22	1	81		5	
Bath, Me	Jan. 9	10,477										4			
Bayonne, N. J	Jan. 23	32,722		1				4		2		18			
Beaver Falls, Pa	do	13,000	1					1		1	1				
Berkeley, Cal	Jan. 16	13,214	16		3			1		2	1	1			
Biddeford, Me	Jan. 23	16,115	1												
Binghamton, N. Y	do	38,647	17		3						1				
Boston, Mass	do	560,892	226	65	30	7	4	66	3	77	4	49		48	4
Bradford, Pa	do	15,029	5					2							
Brockton, Mass	do	40,063	15		1			6	1	2		46	1	2	
Cambridge, Mass	do	91,886	34	5	3			16	2	8	2	14		5	
Camden, N. J	do	75,935	35					11		6	1	2			
Carbondale, Pa	do	13,536	3	2	2							2			
Charlotte, N. C	Jan. 22	18,091	5		3			1				1			
Chelsea, Mass	Jan. 23	34,072	8	2				2		2				1	2
Chicago, Ill	do	1,698,575	622	119	65	46	3	228	10	175	19	110	4	18	1
Chicopee, Mass	do	19,167	8		2							1			
Cincinnati, Ohio	Jan. 22	325,902	125	18	14	1		11	1	11	1	4		3	
Cleveland, Ohio	do	381,768	117	33	14	6	1	28		26	2	12	1	31	
Clinton, Mass	Jan. 23	13,667	6	1						1					
Columbus, Ga	do	17,614	5		1										
Covington, Ky	do	42,938	12		1			3		1					
Danville, Ill	Jan. 24	16,584	11					1		2					
Dayton, Ohio	Jan. 23	85,333	48		1	1		1		4		4			
Duluth, Minn	Jan. 21	80,000	22	2	5			4		20	3				
Dunkirk, N. Y	Jan. 23	11,616	4							2	1				
East Liverpool, O.	Jan. 9	16,485	4		1										
Do	Jan. 16	16,485	4												
Do	Jan. 23	16,485	1												
Elkhart, Ind	do	15,184	4					3				8			
Elmira, N. Y	do	35,672	11		1	1									
El Paso, Tex	Jan. 19	15,905	17	2	4	5	1								
Erie, Pa	Jan. 23	52,733	16	2	1	1		10		1	1			12	
Evansville, Ind	do	59,007	23	2	3	2				5		1			
Everett, Mass	do	24,336	7	1		1		2							
Fall River, Mass	do	104,863	33	2	2	1		5		1		5		2	
Findlay, Ohio	do	17,613	4					3							
Fort Wayne, Ind	Jan. 16	45,115	14		1	2				2					
Do	Jan. 23	45,115	16		6	1				4					
Galesburg, Ill	do	18,607	4					1							
Galveston, Tex	Jan. 22	37,789	11	3	1	1				6	1				
Glens Falls, N. Y	Jan. 23	13,543	4		1					1					
Gloucester, Mass	Jan. 16	26,121	3												
Do	Jan. 23	26,121	9		1										3
G'd Rapids, Mich	do	87,565	29		2	1		21		7		4		13	
Great Falls, Mont.	Jan. 16	14,930	4			6	1	12		1		10			
Greensboro, N. C.	Jan. 23	10,035		1				1		1					
Greenville, S. C	Jan. 9	11,860	5					3							
Do	Jan. 16	11,860	4					2							
Do	Jan. 23	11,860	3					2		1					
Hartford, Conn	Jan. 17	79,850	20	6	3			5		1				1	
Haverhill, Mass	Jan. 23	37,175	9	1	1	1				5					
Harrison, N. J	do	10,596	2					1							
Hoboken, N. J	do	59,364		7				2		4		1			
Homestead, Pa	Jan. 21	12,554	7		1							1			
Indianapolis, Ind.	Jan. 24	169,164	57	1	4	1		7		8	1	8			
Jacksonville, Fla.	Jan. 23	28,429	16	1	3	2				2					
Jersey City, N. J	Jan. 24	206,433	98	1	11			14	4	10	3	99		2	1
Johnstown, Pa	Jan. 23	35,936	22		2	4	1	11	1	5	1	3			
Kansas City, Kans.	Jan. 23	51,418	23		4	1				7		1			
Kansas City, Mo	do	163,752	52		2	3	2	5		6	2	3			
Kearny, N. J	do	10,896	6	2						2					
Knoxville, Tenn	do	32,637			1			1				26			
La Crosse, Wis	do	28,895	2				1			2					
La Fayette, Ind	Jan. 25	18,116	4					1							
Lancaster, Pa	Jan. 23	41,459	10	1	1			4						3	
Lawrence, Mass	do	62,559	31	1	6	3	1		1	7		10	3	4	

[a] Two deaths from tuberculosis occurred in the State Hospital.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Lebanon, Pa	Jan. 23	17,628	7	1	1	1		2		2		2			
Lexington, Ky	do	26,369	11		1					3				2	
Los Angeles, Cal	Jan. 16	102,479	94	9	18	5		28		13		2			
Lowell, Mass	Jan. 23	94,969	32	9	4	2		1		8				3	
Lynchburg, Va	do	18,891		1						2					
Lynn, Mass	do	68,513	28		1			3		6	1	5			
Malden, Mass	do	33,664		1	1	1		1		6		1		1	
Manchester, N. H	do	56,987	23	4	4			1		18					
Manitowoc, Wis	do	11,786	5		1					4		2			
Mansfield, Ohio	do	17,650						2							
Marinette, Wis	do	16,195	1					3							
Marion, Ind	do	17,337	4					2							
Marion, Ohio	Jan. 21	11,862				1									
Marlboro, Mass	Jan. 16	13,609	4												
Do	Jan. 23	13,609	3							1		1			
Massillon, Ohio	Jan. 9	11,944	1												
Medford, Mass	Jan. 23	18,244	4	1		1		1	1	3					
Melrose, Mass	Jan. 16	12,962	2					6		1					
Milwaukee, Wis	do	285,315	74	12	60	13	3	34	1	33	2				
Do	Jan. 23	285,315	82	11	12	9	2	27	2	22	6	36	1	2	
Mobile, Ala	Jan. 16	38,469	17		3	1		2		2					
Do	Jan. 23	38,469	17	2	1										
Montclair, N. J	do	13,962	4	1				3		8		1			
Montgomery, Ala	Jan. 22	30,346	12												
Moline, Ill	Jan. 24	17,248	4					1				1			
Morristown, N. J	Jan. 23	13,000	3	1				2							
Mount Vernon, N. Y.[a]	Jan. 9	21,228	6	1				1				16			
Do	Jan. 23	21,228	5			2						21		3	
Muncie, Ind	do	20,912	6							5	1	1			
Nanticoke, Pa	do	12,616	3							4	1				
Nashville, Tenn	do	80,865	42	2	11	1		1		4					
Nebraska City, Nebr	do	7,200	4							1					
Newark, N. J	do	246,070	100		20	2	1	38	1	30	2		1		
New Bedford, Mass	do	63,442	25	6	1			4		6		1		9	
Newburyport, Mass	do	14,478	5							1					
New London, Conn	do	17,548	8		1					1	1				
New Orleans, La	Jan. 23	278,104	163	22	21	17	3	22		4					
Newton, Mass	do	33,587	5	1		1		5		2	1				
New York, N. Y	do	3,437,202	1,499	457	179	34	8	359	18	377	49	468	21	23	4
Niagara Falls, N. Y	do	19,457	7			4	2	1		5					
Norristown, Pa	do	22,265	13	5	5	1									
North Adams, Mass	do	24,200	3							1					
Northampton, Mass	do	18,643	4			1						26			
Oil City, Pa	Jan. 16	13,264	4									1			
Orange, N. J	Jan. 23	24,141	9	1				4			1	1			
Ottumwa, Iowa	do	18,197	13							3	1				
Passaic, N. J	Jan. 22	27,777	14	2	2			4		1					
Pittsburg, Pa	Jan. 23	321,616	166	42	11	14	1	28	2	13	2	29	1	21	
Pittsfield, Mass	Jan. 9	21,766	10	2	1			4							
Do	Jan. 16	21,766	12	1				1							
Plainfield, N. J	Jan. 23	15,369	5		1			1							
Plymouth, Pa	do	13,649								3		1			
Portland, Me	Jan. 9	50,145	17	1						3		4			
Do	Jan. 16	50,145	16	2	1	2		1		1		1			
Do	Jan. 23	50,145	16	1		2		1				1		2	
Portsmouth, N. H	do	10,637								1					
Portsmouth, Va	Jan. 26	17,427	1					2		1					
Providence, R. I	Jan. 23	175,597	73	5	7		1	9	1	20	1				
Racine, Wis	do	29,102	9							1					
Reading, Pa	Jan. 25	78,961	40	2	1	1		3	1	3	1	1			
Richmond, Va	Jan. 23	85,050	32	4	8	2	1			3				2	
Rockford, Ill	Jan. 23	31,051						2		3	1				
Rock Island, Ill	Jan. 16	19,493	6					1							
Do	Jan. 23	19,493	8							1					
St. Joseph, Mo	Dec. 5	102,979	13	2	2					3					
Do	Dec. 12	102,979	20	1	4			1		4					
St. Louis, Mo	Jan. 23	575,238	201	47	21	5		27		51	3	178	4	5	

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
San Antonio, Tex.	Jan. 23	53,321						1				1			
Sandusky, Ohio	Dec. 19	19,664	8		1	7		1							
Do	Dec. 26	19,664	9	1	1	1									
Do	Jan. 2	19,664	2			3									
Do	Jan. 9	19,664	4			11	1								
Do	Jan. 16	19,664	5		1	8	1	1		1					
San Francisco, Cal.	...do	342,782	126	29	14	7		12		16	2	60		6	
Shamokin, Pa.	Jan. 23	18,202	3	1											
Somerville, Mass.	...do	61,645	13	2	1			16		6		3			
South Bend, Ind.	...do	35,999	6	1	1			7				8			
Spokane, Wash.	Jan. 16	38,848	26		2			8		11		8			
Springfield, Ill.	Jan. 21	34,159	17					3		4					
Springfield, Mass.	Jan. 23	62,059	21	1	2		1	2		4		2			
Springfield, Ohio	...do	38,253	16	4	1	1	1	1							
Steelton, Pa.	...do	12,068	2	2	1										
Tacoma, Wash.	Jan. 10	37,714	15			3		1		6					
Do	Jan. 17	37,714	17		3		1	7		2	1				
Taunton, Mass.	Jan. 23	31,036	14	1											
Terre Haute, Ind.	...do	36,673	14		2	2		5		1		2			
Tiffin, Ohio	...do	10,898						3							
Titusville, Pa.	...do	8,244						2							
Topeka, Kans.	Jan. 16	33,608	8					2		1		1			
Do	Jan. 23	33,608	20		1					1					
Trenton, N. J.	...do	73,307		4	1	1	1	3							
Waltham, Mass.	...do	23,481	4	1				5		3		4		1	
Warren, Pa.	Jan. 17	8,043	5		1										
Washington, D. C.	Jan. 23	278,718	109	32	15	28	4	28	4	6	1	314	1	4	
Wheeling, W. Va.	...do	38,878	11	2	3	2				1					
Wilkes-Barre, Pa.	Jan. 22	51,721	22		1			6		7		14			
Wilkinsburg, Pa.	Jan. 21	13,000	6	3		1				1		3			
Williamsport, Pa.	Jan. 23	28,757	7	1	1			1		1					
Wilmington, Del.	...do	76,508	28												2
Winona, Minn.	Jan. 26	19,714	6												
Woburn, Mass.	Jan. 23	14,254	4												
Worcester, Mass.	Jan. 16	118,421	40	4	7			12		13				2	
York, Pa.	Jan. 23	33,708		5		3		2		2				1	

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FOREIGN AND INSULAR

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, January 13, 1909.]

CHOLERA.

DUTCH INDIES.—December 7. Quarantine measures against Singapore suspended.

MALTA.—December 24. Kertsch, Kherson, Odessa, Taganrog, and Theodosia declared no longer infected.

RUSSIA.—December 27. The governments of Kherson and Jenisseisk, the Transcaspian territory, Syr-Darja, Ferghana, and the Dneiper from Kief to Kherson declared free from cholera.

TURKEY.—December 29. Vessels from Russian ports of the Black Sea having emigrants or other aggregations of men on board are subject at the lazaretto of Sinope to 3 days' quarantine and the prescribed disinfection measures.

PLAGUE.

BRITISH EAST INDIES.—December 9. The port of Verawal, in the Presidency of Bombay, declared free of plague; quarantine measures at the port of Orissa against arrivals from Verawal no longer in force. December 14. Quarantine measures at the same port against Cannanore suspended.

CHINA.—December 17. The German consul has suspended sanitary police control of German vessels arriving at Niuchwang from Canton, Hongkong, and Swatow. The importation of rags, old paper, coffins containing bodies, and moist earth is still forbidden.

EGYPT.—December 21. Plague regulations in force as regards arrivals from the littoral between El Wedj and Jiddah and against the places named.

SWEDEN.—December 29. The Russian government of Astrakhan and the port of Swatow in China declared free of plague.

ALGERIA.

Deratization at Algiers—Rat fleas.

The following is taken from the *Bulletin Bimensuelle*, Algiers, December 31:

December 16–31: Rodents taken by the maritime sanitary service, 448; examined by the laboratory of health, 102; result negative. Classification of rats: *Mus norvegicus*, 376; *Mus rattus*, 20; *Mus alexandrinus*, 3; *Mus musculus*, 49.

Rat fleas determined.

Pulex cheopis, on *Mus norvegicus*	23
On *Mus rattus*	45

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BRAZIL.

Report from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox.

Acting Assistant Surgeon Stewart reports, December 28:

Two weeks ended December 26. Vessels inspected and received bills of health: December 14 the British steamship *Hydra*, for New Orleans, in water ballast, with no passengers and no change in the personnel of the crew; December 18 the British steamship *Verdi*, for New York, in coffee cargo, with no change in the crew personnel and with 4 cabin and 1 steerage passengers from this port; December 21 the German steamship *Seigmund*, for New York, with coffee, no change in the crew personnel and with 3 cabin and 2 steerage passengers from this port; December 23 the British steamship *Ras-Issa*, for New Orleans and New York, via Santos, Brazil, with cargo of coffee, no passengers and no change in the crew personnel; December 24 the British steamship *Terence*, for New York, in coffee cargo, with 2 cabin passengers from this port and no change in the crew personnel; on the same date the British steamship *Spanish Prince*, for New Orleans, in cargo of coffee, with 4 cabin passengers and no change in the crew personnel; and December 26 the British steamship *Italian Prince*, in cargo of coffee, for New York, with no passengers and no change in the personnel of the crew.

Mortality in city of Rio de Janeiro—Plague and smallpox.

Week ended December 20. Total estimated population, 811,443. Population, census of 1907, 628,675. Total deaths, 360. No deaths nor cases reported due to yellow fever. Smallpox caused 55 deaths with 150 new reported cases, of which number 47 were in the suburban districts. Plague caused 2 deaths with 4 new reported cases. At the close of the week there were in the hospital São Sebastião 139 cases of smallpox and 22 cases of plague; in the hospital Engenho de Dentro 81 cases of smallpox, and in the hospital Paula Candido 58 convalescent cases of smallpox.

Week ended December 27.

Total deaths, 369. No deaths due to yellow fever, and no cases reported. Eleven new cases of plague were reported with 7 deaths, and 103 cases of smallpox with 56 deaths. Of the total number of cases of smallpox reported, 37 occurred in the suburban portions of the city. At the close of the week there were in the hospital São Sebastião, 134 cases of smallpox, and 16 cases of plague under treatment; in the hospital Engenho do Dentro, 62 cases of smallpox under treatment, and in the hospital Paula Candido, 32 convalescent cases of smallpox.

During the year 1908, to date, only 4 deaths have been caused by yellow fever, and these occurred in the early part of the year.

Report from Bahia—Plague and yellow fever epidemic.

The following is received from the Department of State, under date of February 1:

A cablegram is received from the consul at Bahia, Brazil, reporting plague and yellow fever epidemic.

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BRITISH GUIANA.

Report from Georgetown—Status of yellow fever at Paramaribo, Dutch Guiana.

Consul Clare reports, January 5:

The consular agent at Paramaribo states that from the outbreak on December 18 to January 2 there have been 21 cases of yellow fever, 6 of which terminated fatally, 10 recovered, and 5 remained under treatment.

CHINA.

Report from Shanghai—Inspection of vessels—Plague among rats—Precautions against infection of vessels by rats from the shore—Preventive inoculation among rat collectors.

Acting Assistant Surgeon Ransom reports, December 28:

Week ended December 26. Supplemental bills of health were issued to 4 steamships, having an aggregate personnel of 1,567. There were inspected 3 vessels, 420 members of crews, and 613 steerage passengers. Manifests were viséed for 1,239 pieces of freight.

The steamship *Mongolia* from Shanghai to Manila direct was inspected at Woosung about sunset on the day of sailing. No cargo was shipped from Shanghai by this vessel, and none of her Asiatic personnel was allowed ashore. The steamship *Manchuria* also remained in the stream at Woosung, and the steamship *Sikh*, for New York via Hongkong, and the steamship *Tosa Maru*, for Seattle via Japan, were required to remain at buoys in the river instead of coming to the wharves here. These precautions were taken particularly on account of plague among rats here, and with the view of preventing infection of the vessels from that source.

A circular letter was addressed by this office to steamship agents at this port relative to the prevalence of plague among rats, recommending that vessels bound to American ports remain in the stream while here, and that the communication between the crew and shore be limited as much as possible. Rat guards on all lines either to the shore or to lighters were insisted upon, as was also the hoisting of ladders and gangways at night. Loading exclusively by daylight where possible was also recommended, as was also the fumigation at terminal ports of vessels when empty.

Infected rats continue to be found, but no cases have so far been reported among human beings.

Only rats found dead are being examined bacteriologically. Of these about 12 per cent show plague. The infected area is in what is known as Hongkew, and the largest number of infected rats have been found about one block back from the water front, but such animals have been found distributed over a territory more than 2 miles in length. They are also being found in the vicinity of the filter beds from which the local water supply is drawn.

Gangs for the destruction of rats and for rat-proofing work in the native houses and wharfs are to be organized. Rat-proofing is a hopeless task here because of the character of the native buildings, and it will also be a most difficult problem to destroy rats to a degree which will be effective as a prophylactic measure.

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Employees engaged in the work of collecting dead rats are now being protected with Haffkine prophylactic, the material being produced in the local laboratory under foreign supervision.

NOTE.—The examination of rats for plague infection at Shanghai was instituted after the occurrence of a plague death on a river boat at Hankau, November 30, under circumstances which indicated that the disease might have been contracted at Shanghai. No cases of human plague having occurred at Shanghai, examination of rats was made with the result that rats undoubtedly dead of plague were found. (See Public Health Reports, January 22, 1909, p. 88.)

CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, January 18:

Week ended January 16.

Vessels inspected	17
Bills of health issued	17
Passenger landed (not inspected)	1
Members of crews inspected	135

During the week no quarantinable disease was reported.

Report from Habana—Inspection of vessels—Smallpox on steamship Alfonso XIII from Veracruz.

Passed Assistant Surgeon Amesse reports, January 25:

Week ended January 23.

Vessels inspected	21
Bills of health issued	26
Members of crews of outgoing vessels inspected	1,379
Passengers of outgoing vessels inspected	1,558

The case of yellow fever under treatment at Santiago has been discharged recovered and careful investigation throughout the province fails to disclose further foci.

One case of smallpox was discovered January 19, in the steerage of the Spanish mail steamship Alfonso XIII from Veracruz. The patient was isolated at Las Animas Hospital and all other passengers were sent to Mariel quarantine.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, January 25:

Week ended January 23.

Bills of health issued to 3 vessels leaving for United States ports in good sanitary condition. No quarantinable diseases reported during the week.

Reports from Santiago—Inspection of vessels—Mortality statistics for Santiago from 1888 to 1908, inclusive.

Acting Assistant Surgeon Wilson reports, January 20 and 21:

January 20. Week ended January 16. Bills of health issued to 7 vessels bound for the United States and its dependencies.

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No quarantinable disease was reported. The last case of yellow fever was discharged cured on January 12.

January 21. Having recently completed and copied the mortality statistics of this city for the year 1908, comparing it with the past years, I was struck with the fact that at the end of both American interventions the mortality showed a decided decrease. The mortality of a place is apt to vary from year to year within certain limits.

In the accompanying table it will be noted that from the year 1899, the first year after the war, when there were 1,383 deaths, the mortality steadily decreased. In 1902, when the Cuban Republic was instituted, the deaths were 1,009. They remained low for 3 years, beginning to go up again in 1905, when there were 1,180 deaths. The next year, 1906, there were 1,239 deaths. In September, the second American intervention began. The deaths went down to 1,193 in 1907 and to 1,058 in 1908.

The data from 1888 to 1901 is compiled from the vital statistics published monthly by the board of health of this city during the first intervention.

From 1902 the statistics have been compiled by me from the weekly reports of burials sent by the mayor to the consul.

[Inclosure.]

SANTIAGO DE CUBA.

Mortality from 1888 to 1908.

Year.	Mortality.	Population.	Remarks.
1888	1,187	45,000	Normal Spanish rule.
1889	1,157	45,000	Do.
1890	1,009	45,000	Do.
1891	1,374	45,000	Do.
1892	1,099	45,000	Do.
1893	1,187	45,000	Do.
1894	1,031	45,000	Do.
1895	2,810	45,000	Revolution, Spanish rule.
1896	4,012	45,000	Do.
1897	4,497	45,000	Do.
1898	6,020	45,000	Spanish-American war.
1899	1,383	43,000	First American intervention.
1900	1,035	43,000	Do.
1901	1,000	43,000	Do.
1902	1,009	43,000	Cuban Republic (May 20).
1903	1,067	45,500	Do.
1904	1,008	45,500	Do.
1905	1,180	45,500	Do.
1906	1,239	45,500	Second American intervention (September).
1907	1,193	45,500	Do.
1908	1,058	45,500	Do.
1909	.....	45,500	Second intervention ended January 28.

GUATEMALA.

Report from Guatemala City—Decrease in smallpox epidemic—Compulsory vaccination.

The following is received from Minister Heimke, under date of January 13:

Energetic measures have been adopted by the Government of the Republic of Guatemala for the control and suppression of smallpox, and the disease is gradually abating. Three weeks ago it was estimated that there were between 2,500 and 2,800 cases of smallpox in

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this city, with a death rate of about 30 per cent. Reliable reports state that there are now between 800 and 1,000 cases, distributed between the lazaretto and the various hospitals and treated at private residences, with a death rate of only about 10 per cent. A campaign of compulsory vaccination was inaugurated by the Government of Guatemala.

Smallpox is reported to be perceptibly decreasing in other parts of the Republic.

HAWAII.

Reports from Honolulu—Examination of rats for plague infection—Plague rats at Hilo.

Passed Assistant Surgeon Currie reports, January 16 and 18, through Temporary Chief Quarantine Officer Moore:

Two weeks ended January 9.

Total number of rats taken in Honolulu	957
Trapped	688
Found dead	4
Shot from trees	132
Killed by sulphur dioxid	133
Examined bacteriologically	849
Showing plague infection	0
Rats sent from Hilo	14
Hilo rats showing plague infection	5
Hilo rats still under investigation	6
Classification of rats shot from trees in Honolulu:	
Mus alexandrinus	82
Mus rattus	29
Total classified	111

Classification of rats trapped in Honolulu.

Mus rattus	213
Mus rvegicus	81
Mus alexandrinus	165
Mus musculus	233
Total classified	692

Classification of rats killed by sulphur dioxid.

Mus alexandrinus	82
Mus rattus	48
Mus musculus	3
Total classified	133

Average number of traps set daily	1,461
Number of poisons placed	537

NOTE.—Owing to the concentration of the force on the water front to lessen the probability of plague being introduced here from Hilo, the total number of rats taken has decreased, but as soon as this danger passes the trappers will be returned to their former districts.

January 19. Outbreak of plague among rats at Hilo, Island of Hawaii.

In December, 1908, a sanitary inspector for the board of health, Territory of Hawaii, found dead rats in a stable in Hilo known as the city stable; also in another stable less than 100 yards distant. In all, 43 dead rats were found in these stables. The diagnosis of

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plague has been confirmed bacteriologically in the case of 5 of these rodents and a provisional diagnosis of plague made in the case of 3 others. The latter were too far decomposed for successful examination.

Upon request of the president of the board of health, and by direction of temporary chief quarantine officer Moore, I proceeded to Hilo, Hawaii, leaving Honolulu January 5 and returning to this station January 16.

Upon my arrival at Hilo an investigation was begun that consumed ten days. The first case of human plague in Hilo died in 1899, and was buried within a few feet of the house in which the case occurred. The house was then burned. The body was buried surrounded by quicklime.

From that time to the present date several outbreaks have appeared in the neighborhood in which the case referred to occurred, the two stables mentioned being but a few yards away. With the exception of a group of 4 cases occurring in 1903–4, about one mile distant, most of the human cases have been in this neighborhood, or have slept at one of the stables mentioned.

Furthermore, the city stable hauls all freight for the Olaa plantation, which had plague in 1907. Much good work had already been done in this neighborhood since the occurrence of the human cases on February 22 and April 6, 1908, respectively. This work consisted in raising all houses above ground or laying concrete floors, and the destruction of most of the rat harbors which had previously existed. This work is to be continued until completed in an area of several blocks about this infected focus.

In dealing with the problem of rat destruction, it was advised that Hilo be divided into 3 districts; the first to include all that portion of the city where infection was known to exist; the second, all of the city on the west side; and the third, all on the east side of the infected area.

In the central district, "the infected district," it was advised that: 1. The work of destroying rat harbors be continued until completed. 2. That poison be placed in every house in this district and be visited once daily to replace any that may have been eaten. 3. That at least 2 traps be set in each house in this district and visited once daily. 4. That every rat hole be located and fumigated with carbon bisulphid twice a week. 5. That a reward be paid for each plague rat brought in and that the trappers be told that the probability of earning such reward was very great if they sought dead rats in this district. 6. That all garbage be collected each afternoon on each working day of the week.

In the adjoining two districts it was recommended that: 1. At least one trap be set in each house. 2. That poison be placed in each house and visited several times weekly.

Arrangement was made to have the interisland vessels that do not come to Honolulu, fumigated at intervals at Hilo. Those that do come to Honolulu will be fumigated there.

Arrangements have also been made to have all vessels plying between Hilo and the mainland fumigated at intervals and a certificate of this fact issued to them. The only exception to this is in the case of vessels of the American-Hawaiian Steamship Company, which occasionally go direct from Hilo to the Pacific coast of the United States. These are too large to be handled at Hilo.

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It is considered that all vessels arriving from Hilo without proper certificates of recent fumigation are unsafe, whether they have lain at wharf or were loaded from lighters, as many of the latter are so constructed as to be excellent rat harbors.

The Hilo wharf, which is about a mile from the known area of infection, was inspected with a view to the practicability of making it rat proof, but this was not considered practicable, the frequent fumigation of vessels being preferable. Of the mainland vessels, only those from Eureka, Cal., lie at this wharf, but small vessels and lighters ply between this wharf and all vessels lying in the open roadstead.

A case of plague has occurred in a guinea pig kept near the room where infected rats were being received by the agent of the board of health.

A systematic supervision of the burial of the dead is maintained.

INDIA.

Report from Calcutta—Transactions of Service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Eakins reports, December 31:

Week ended December 26. Bills of health issued to the steamship *Dragoman*, bound for Galveston with a total crew of 55, and to the steamship *Warturn*, bound for Boston and New York with a total crew of 67.

Week ended January 2. Bills of health issued to the steamship *Crostafels*, bound for Philadelphia and New York with a total crew of 58, and to the steamship *Moltkefels*, bound for Boston and New York with a total crew of 58. The usual precautions were taken as regards all the vessels named; the holds were fumigated, rat guards placed on wharf lines, and Asiatics' effects disinfected.

Week ended December 19. At Calcutta there were 8 deaths from cholera, 9 from plague, and 16 from smallpox. In Bengal 136 cases and 107 deaths from plague. In India, general, 2,249 cases and 1,788 deaths from plague.

ITALY.

Reports from Naples—Inspection of vessels—Emigrants recommended for rejection—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, January 4 and 11:

Vessels inspected at Naples and Palermo week ended January 2.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Dec. 30	Re d'Italia	New York	669	60	750
30	Craigellachie	Key West			
Jan. 2	Republic	New York	1,674	110	2,100
	Total		2,343	170	2,850

PALERMO.

Dec. 31	Re d'Italia	New York	520	527	291

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Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Dec. 30	Re d'Italia	21	.....	13	2	6	42
30	Craigellachie	.....	.....	.....	.....	.....	.....
Jan. 2	Republic	26	5	17	1	6	55
	Total	47	5	30	3	12	97

PALERMO.

Dec. 31	Re d'Italia	16	.....	8	.....	3	27

Vessels inspected at Naples and Palermo, week ended January 9.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Jan. 5	Marianne	Boston	.....	.....	.....
7	Moltke	New York	927	100	1,300
7	Duca degli Abruzzi	do	1,217	80	1,905
8	San Giovanni	do	324	20	480
9	Queen Amelie	do	.....	.....	.....
9	Romanic	Boston	687	60	1,150
9	Florida	New York	810	50	1,250
	Total		3,965	310	6,085

PALERMO.

Jan. 9	San Giovanni	New York	358	472	85

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Jan. 5	Marianne	.....	.....	.....	.....	.....	.....
7	Moltke	29	1	28	2	8	68
7	Duca degli Abruzzi	37	1	17	.....	10	65
8	San Giovanni	22	1	6	.....	.....	29
9	Queen Amelie	.....	.....	.....	.....	.....	.....
9	Romanic	20	1	11	.....	6	38
9	Florida	25	.....	11	.....	4	40
	Total	133	4	73	2	28	240

PALERMO.

Jan. 9	San Giovanni	15	.....	16	.....	.....	31

Smallpox in Naples.—During the week ended January 3 there were 13 cases of smallpox and 1 death reported at the health office of the city of Naples. From the date of the introduction of the disease from Marseille, June 13, 1908, the total number of cases has been 279, with 43 deaths.

Week ended January 10: Seventeen cases of smallpox and 1 death reported at the health office of the city of Naples. Total number of

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cases from date of introduction of the disease from Marseille, June 13, 1908, has been 296, with 44 deaths.

Refugees from Sicily and Calabria are all being vaccinated upon arrival.

Status of smallpox in Italy.—Week ended January 3.

Provinces: Rovigo (Pontecchio), 5 cases; (Bosaro), 4 cases; (Griguano), 1 case; (Sant' Apollinare), 1 case; Reggio Calabria (Cinquefrondi), 3 cases; (Maropati), 1 case; Pavia (Pavia), 1 case.

Week ended January 10:

Provinces: Aquila (Lecconei Marti), 1 case; Chieti (Lanciano), 1 case; Benevento (San Giorgio la Molara), 1 case.

JAPAN.

Report from Yokohama—Examination of emigrants.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Manchuria*, December 30: For Honolulu, rejected, 1; advised to wait, 3.

Per steamship *Chiyo Maru*, January 7: For Honolulu, rejected, 1; advised to wait, 3.

Per steamship *Tosa Maru*, January 7: For Seattle, advised to wait, 2.

Rejections and detentions were for trachoma.

Report from Kobe—Inspection of vessels—Disinfection.

Acting Assistant Surgeon Smith reports, December 29:

Week ended December 26. Supplemental bills of health were granted to 2 steamships.

There were inspected 38 members of crew and 620 steerage passengers. Thirty-three members of crew were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 77. Manifests were viséed for 4,066 pieces of freight, amounting to 450 tons.

MEXICO.

Report from Mexico City—Yellow fever at Merida and in vicinity of Maxcanu.

The following is received from Dr. Eduardo Liceaga, president of the superior board of health:

During the week ended January 16, 2 cases of yellow fever occurred at Merida and 1 yellow fever death at San Bernardo plantation, 9 kilometers from Maxcanu.

PERU.

Report from Callao—Inspection and fumigation of vessels—Plague at Callao—Status of plague in Peru—Smallpox at Lima—Plague at Iquique, Chile.

Acting Assistant Surgeon Gutierrez reports, January 5:

Week ended January 2. One vessel carrying an aggregate personnel of 60 members of crew, and 1 steerage passenger, was fumigated.

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The following is the latest report on plague in Peru received from the Director de Salubridad Publica:

Locality.	Cases, December 18.	New.	Recovered.	Died.	Remaining December 24.
Lima	13	3	5	2	9
Callao	1		1		
Trujillo (city)	44	5	5	7	46
Trujillo (country)		9			
Chepen	4				4
San Pedro	9	5	1	4	10
Chiclayo	3	1	2	1	1
Ferreñafe	2	2		1	3
Eten		1		1	
Mollendo	1				1
Pavita	1				1
Monsefu		2		1	1
Piura	3	2		3	2
Catacaos	3				3
Motupe (Province of Lambayeque)	3				3
Oyotún plantation (Province of Chiclayo)	4				4

Eight cases of smallpox were isolated up to December 24 in the lazaretto at Lima. No cases have been reported in Callao.

Two cases of plague have occurred at Callao—one on December 29, the other January 2. The first case died.

Bills of health report: Two cases of plague in the lazaretto, Iquique, December 28. One new case has occurred in 2 weeks: no deaths. A bill of health from Talcahuano reports cases of smallpox.

RUSSIA.

Report from Libau—Status of cholera at St. Petersburg.

Acting Assistant Surgeon De Forrest reports, January 10, 18, and 19:

During the week ended January 10, reports of cholera were received for a period covering three days only. At St. Petersburg, the only locality at which cholera is reported, about 10 cases occur daily, with from 2 to 5 deaths. Little is being done there at present to prevent a cholera outbreak in the spring or to stamp out the disease already existing. All waterways in the interior of Russia are frozen.

The next vessel leaving Libau for New York sails January 26. Examination of emigrants begins this week.

January 18. Reports from St. Petersburg, dated January 15, show 29 new cases with 7 deaths, and for the two days previous 19 new cases each day with 8 and 7 deaths, respectively.

During the week ended January 15, 100 emigrants, sailing January 26 per steamship *Korea* for New York, were examined.

January 19. An increase in the number of cholera cases at St. Petersburg is reported. On January 17, 34 new cases with 9 deaths were reported, and January 18, 59 new cases with 21 deaths. More than 200 cases are reported present in the city.

Leprosy in the Province of Courland.

The report of the medical department of the government of Courland shows the total number of lepers in the province for the year 1907 to have been 176, of which number 139 were inmates of leper

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hospitals and 37 lived outside. The latter number were distributed in 6 districts, the highest number in any one district being 25 and the lowest 1.

Doctor De Forrest further states that at the present date several hundred cases are reported as isolated at Grobin, which is in the Province of Courland. Libau is situated in the same province.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Lourenço Marquez.*—Month of November, 1908. Estimated population, 10,000. Total number of deaths 28, including 7 from tuberculosis.

ALGERIA—*Algiers.*—Month ended December 15, 1908. Estimated population, 155,000. Total number of deaths 332, including diphtheria 2, smallpox 29, measles 1, whooping cough 2, and 48 from tuberculosis.

AUSTRALIA—*Queensland—Brisbane.*—Month of December, 1908. Estimated population, 135,655. Total number of deaths, 119, including enteric fever 1, measles 2, plague 1, and 9 from tuberculosis.

AUSTRIA-HUNGARY—*Brünn.*—Month of November, 1908. Estimated population, 108,944. Total number of deaths, 238, including tuberculosis 52, diphtheria 2, and 3 from scarlet fever.

BAVARIA—*Munich.*—Month of November, 1908. Estimated population, 556,000. Total number of deaths, 819, including scarlet fever 9, diphtheria 15, measles 4, whooping cough 6, and 120 from tuberculosis.

BRAZIL—*Pernambuco.*—Two weeks ended November 30, 1908. Estimated population, 210,000. Total number of deaths, 270, including yellow fever 1, smallpox 16, enteric fever 2, plague 3, and 55 from tuberculosis.

CHILE—*Punta Arenas.*—Month of November, 1908. Estimated population, 12,000. Total number of deaths, 28, including diphtheria 1, and 2 from tuberculosis.

CUBA.—Month of October, 1908. Estimated population, 1,572,797. Total number of deaths, 2,167, including enteric fever 16, measles 7, scarlet fever 3, diphtheria 24, yellow fever 1, and 299 from tuberculosis.

DUTCH GUIANA—*Paramaribo.*—Month of December, 1908. Estimated population, 34,870. Total number of deaths, 148, including 4 from yellow fever.

FRANCE—*Nice.*—Month of November, 1908. Estimated population, 150,881. Total number of deaths, 192, including diphtheria 1, enteric fever 5, and 25 from tuberculosis.

St. Etienne.—Two weeks ended December 31, 1908. Estimated population, 150,000. Total number of deaths, 158, including enteric fever 3, scarlet fever 1, diphtheria 1, and 31 from tuberculosis.

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GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended January 9, 1909, correspond to an annual rate of 17.5 per 1,000 population, which is estimated at 16,234,952.

London.—One thousand six hundred and seventy-two deaths were registered during the week, including measles 72, scarlet fever 4, diphtheria 20, enteric fever 8, whooping cough 14, tuberculosis 138, and 17 from diarrhea. The deaths from all causes correspond to an annual rate of 18 per 1,000. In greater London 2,360 deaths were registered. In the "outer ring" the deaths included 4 from measles, 4 from diphtheria, and 2 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended January 9, 1909, in the 21 principal town districts of Ireland was 20.4 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Sligo, viz, 4.8, and the highest in Kilkenny, viz, 44.2 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended January 9, 1909, correspond to an annual rate of 19.5 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Perth, viz, 27.9, and the lowest in Leith, viz, 13.4 per 1,000. The aggregate number of deaths registered from all causes was 698, including measles 1, diphtheria 7, scarlet fever 5, whooping cough 33, and 2 from enteric fever.

GREECE—*Patras.*—Two weeks ended December 31, 1908. Estimated population, 37,401. Total number of deaths, 33, including smallpox 1, scarlet fever 6, diphtheria 3, and 5 from tuberculosis.

HAWAII—*Honolulu.*—Month of December, 1908. Census population, 39,306. Total number of deaths, 82, including 19 from tuberculosis.

ITALY—*Geneva.*—Two weeks ended December 31, 1908. Estimated population, 279,163. Total number of deaths, 285, including enteric fever 1, measles 6, and 26 from tuberculosis.

MAURITIUS—*Port Louis.*—Month of October, 1908. Estimated population, 376,635. Total number of deaths, 970, including enteric fever 7, measles 1, plague 26, and 67 from tuberculosis.

SPAIN—*Almeria.*—Month of December, 1908. Estimated population, 50,000. Total number of deaths, 118, including enteric fever 4, whooping cough 2, and 8 from tuberculosis.

Cadiz.—Month of December, 1908. Estimated population 69,382. Total number of deaths 190, including enteric fever 4, whooping cough 12, and 40 from tuberculosis.

Madrid.—Annual report for the year, 1908. Estimated population 547,399. Total number of deaths, 13,370, corresponding to a death rate of 23.31 per 1,000, including enteric fever 185, smallpox 25, measles 223, scarlet fever 65, whooping cough 57, diphtheria 92, and 1,758 from tuberculosis.

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Month of December, 1908. Total number of deaths, 1,576, including diphtheria 18, enteric fever 12, measles 131, scarlet fever 5, whooping cough 5, smallpox 12, and 144 from tuberculosis.

Seville.—Month of December, 1908. Estimated population, 148,315. Total number of deaths, 397, including enteric fever 3, scarlet fever 5, diphtheria 3, whooping cough 2, and 63 from tuberculosis.

TASMANIA—*Hobart.*—Month of November, 1908. Estimated population, 184,008. Total number of deaths, 148, including enteric fever 2, whooping cough 1, diphtheria 2, and 8 from tuberculosis.

WEST INDIES—*Curaçao.*—Month ended January 8, 1909. Estimated population, 30,400. Total number of deaths, 32.

Turks Islands.—Period from November 28, 1908, to January 16, 1909. Estimated population, 1,800. Total number of deaths 9. Cause of deaths not reported.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to February 5, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Dec. 5	12	10	
India:				
Bombay	Dec. 9-Jan. 5		66	
Calcutta	Nov. 1-Dec. 19		65	
Madras	Nov. 14-Dec. 18		49	
Negapatam	Oct. 31-Nov. 6		1	
Rangoon	Nov. 8-Dec. 26		10	
Indo-China—Cholen	Nov. 9-15	1	1	
Persia:				
Tabriz	Oct. 9-Nov. 30	1,000	500	Dec. 9, still present.
Philippine Islands:				
Manila	Nov. 1-Dec. 5	77	52	
Provinces—				
Antique	Nov. 1-Dec. 5	150	85	
Bataan	Nov. 1-7	1	1	
Bulacan	Nov. 1-Dec. 5	70	59	
Capiz	Nov. 1-Dec. 5	511	278	
Cagayan	Nov. 1-Dec. 5	46	34	
Cavite	Nov. 1-Dec. 5	55	39	
Ilocos Norte	Nov. 1-Dec. 5	158	125	
Ilocos Sur	Nov. 1-Dec. 5	131	84	
Iloilo	Nov. 1-Dec. 5	230	116	
La Laguna	Nov. 1-Dec. 5	53	37	
Leyte	Nov. 1-Dec. 5	39	27	
Negros Occidental	Nov. 1-Dec. 5	188	128	
Palawan	Nov. 1-28	7	4	
Pampanga	Nov. 1-28	8	3	
Rizal	Nov. 1-28	71	60	
Samar	Nov. 1-Dec. 5	116	83	
Surigao	Nov. 15-21	1		
Union	Nov. 1-7	6	4	
Russia, general	Nov. 15-Jan. 2	2,796	1,208	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Amolinsk	Nov. 15-Dec. 19	29	13	
Bakoo	Nov. 22-28	3	2	
Batoom	Nov. 15-21	4	2	
Cronstadt	Nov. 15-21	1	1	
Don, territory of	Nov. 15-Dec. 31	141	74	
Ekaterinislav	Nov. 15-Dec. 26	27	11	
Erivan	Dec. 1-31	28	21	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Kerson	Nov. 15–Dec. 19	2		
Kharkov	Dec. 6–12	1		
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Dec. 31	139	76	
Kostroma	Dec. 6–12	1		
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–12	2	2	
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3		
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	
Semipalatinsk, territory of	Dec. 19–26	1		
Stavropol	Nov. 15–21	1		
St. Petersburg, government	Nov. 15–Dec. 12	11	3	
St. Petersburg	Nov. 29–Dec. 31	683	215	Jan. 19, still present.
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Dec. 19	81	37	
Tver, district	Nov. 15–Dec. 5	4		
Volgoda	Dec. 6–12	1		
Yelisavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–30			Present.
Straits Settlements:				
Singapore	Nov. 8–Dec. 19		90	

YELLOW FEVER.

Barbados:				
Bridgetown	Dec. 12–Jan. 10	4	3	Dec. 27–Jan. 4, 2 cases in parish of St. Lucy.
Brazil:				
Bahia	Nov. 15–Dec. 5	3	2	Feb. 1. Epidemic.
Manaos	Nov. 29–Dec. 19		3	
Para	Nov. 22–Jan. 9	20	20	
Pernambuco	Nov. 15–30		1	
Cuba:				
Oriente province—San Luis	Jan. 1–2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago where 1 case died Dec. 31.
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 2	21	6	
Ecuador:				
Guayaquil	Nov. 29–Jan. 9		12	
Martinique:				
Fort de France	Dec. 13–19	1		
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–26	2	2	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–Jan. 16	12	5	
San Bernardo plantation	Dec. 27–Jan. 16	2	2	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Veracruz	Dec. 6–Jan. 2	11	4	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Arabia:				
Jiddah	Dec. 22–Jan. 5	2		
Australia:				
Brisbane	Nov. 1–7	1	1	
Brazil:				
Bahia	Nov. 15–Dec. 5	12	6	Feb. 1. Epidemic.
Pernambuco	Nov. 1–30		6	
Rio de Janeiro	Nov. 16–Dec. 27	46	23	
Chile:				
Iquique	Nov. 22–Dec. 28	3	1	
China:				
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–14	1	1	
Tientsin	Oct. 18–Nov. 21			Still present.
Tongshan	Nov. 1–14			Present.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Guayaquil	Nov. 29-Jan. 9	.....	11	
Milagro	Nov. 17-Dec. 12	17	8	Dec. 19, still present.
Egypt:				
Alexandria	Nov. 14-Dec. 4	3	.....	
Port Said	Dec. 4	1	.....	
Provinces—				
Assiout	Dec. 2-29	2	2	
Beherach	Nov. 24-Dec. 26	11	6	
Galyoobeeyeh	Nov. 21-Dec. 17	1	.....	
Garbieh	Nov. 27-28	3	.....	
Girgeh	Oct. 18-Dec. 30	4	3	
Fayoum	Nov. 23-Dec. 1	1	1	
Menouf	Nov. 27-Dec. 30	147	29	
Minieh	Nov. 25-Dec. 29	1	.....	
India:				
Bombay Presidency and Sind.	Nov. 2-Dec. 17	7,533	5,307	
Madras Presidency	Nov. 2-Dec. 17	478	354	
Bengal	Nov. 2-Dec. 17	639	535	
United Provinces	Nov. 2-Dec. 17	506	436	
Punjab	Nov. 2-Dec. 17	2,813	2,243	
Burma	Nov. 2-Dec. 17	339	333	
Central provinces, including Berar.	Nov. 2-Dec. 17	1,152	865	
Coorg	Nov. 2-Dec. 17	5	3	
Mysore State	Nov. 2-Dec. 17	1,375	937	
Hyderabad State	Nov. 2-Dec. 17	256	222	
Central India	Nov. 2-Dec. 17	502	395	
Rajputana	Nov. 2-Dec. 17	410	413	
Grand total		16,008	12,013	
Indo-China:				
Cholen	Oct. 25-Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25-Nov. 28	4	4	
Japan:				
Formosa	Nov. 8-14	17	5	
Mauritius	Oct. 2-Nov. 12	.....	43	
Peru:				
Callao	Nov. 13-Dec. 24	4	.....	Jan. 2, still present.
Catacaos	Dec. 11-17	3	.....	
Chepen	Nov. 27-Dec. 17	9	1	
Chiclayo	Nov. 13-Dec. 24	8	5	
Eten	Nov. 13-Dec. 24	9	8	
Ferrenafe	Nov. 13-Dec. 24	9	3	
Lima	Nov. 13-Dec. 24	27	8	
Mollendo	Nov. 13-Dec. 3	4	2	
Monsefu	Nov. 13-Dec. 24	7	2	
Oyotun, plantation	Nov. 20	4	.....	
Paita	Dec. 11-17	3	2	
Piura	Dec. 11-24	5	3	
San Jose (Lambayeque)	Nov. 13-Dec. 3	2	.....	
San Pedro	Nov. 13-Dec 24	19	12	
Trujillo	Nov. 13-Dec. 24	73	27	
Siam:				
Bangkok	Sept. 27-Oct. 24	5	1	Present in November.
Straits Settlements:				
Singapore	Nov. 30-Dec. 5	1	.....	
Turkey in Asia:				
Bagdad	Nov. 6-Jan. 3	31	10	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1-15	.....	29	Imported.
Arabia:				
Aden	Nov. 25-Jan. 4	.....	47	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1	.....	
Austria:				
Galicia	Dec. 20-Jan. 9	6	.....	
Silesia	Jan. 3-9	1	.....	
Brazil:				
Bahia	Nov. 15-Dec. 5	61	4	
Pernambuco	Nov. 1-30	.....	38	
Rio de Janeiro	Nov. 16-Dec. 27	971	480	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil—Continued.				
Santos	Nov. 1-Dec. 6		9	
São Paulo	Nov. 1-Dec. 13		24	
Canada:				
British Columbia—				
Vancouver	Dec. 1-31	1		
Victoria	Dec. 12	25	4	
Manitoba—				
Winnipeg	Dec. 20-Jan. 11	5		
Ontario—				
Hamilton	Jan. 17-23	1		
Toronto	Nov. 8-28	7		
Nova Scotia—				
Halifax	Dec. 13-Jan. 16	11		
Yarmouth	Dec. 1-31	1		
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Ceylon:				
Colombo	Nov. 1-21	62	13	
Chile:				
Talcaguana	Nov. 20-Jan. 2			Present in vicinity.
China:				
Amoy	Oct. 11-Nov. 8		2	Dec. 19, still present.
Shanghai	Nov. 11-Dec. 12	2		From U. S. transport Seward.
Cuba:				
Habana	Dec. 26-Jan. 19	3		Case Dec. 26 on s. s. Floride; case Jan. 19 on s. s. Alfonso XIII.
Egypt, general	Nov. 12-Dec. 23	286	65	
Alexandria	Nov. 26-Dec. 2		1	
Cairo	Nov. 19-Dec. 31	48	26	
France:				
Marseille	Dec. 1-31		1	
Paris	Nov. 22-Jan. 2	20	1	
Germany, general	Nov. 19-Jan 2	11		
Breslau	Dec. 20-26	1		
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22-Jan. 2		4	
Patras	Dec. 16-31	1	1	
Great Britain:				
Bristol	Dec. 13-Jan. 19	2		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths.
India:				
Bombay	Nov. 25-Jan. 5		17	
Calcutta	Nov. 1-Dec. 19		47	
Madras	Nov. 28-Dec. 4	1		
Rangoon	Nov. 22-Dec. 19		3	
Indo-China:				
Cholen	Nov. 15-Dec. 5	6	5	
Saigon	Nov. 1-Dec. 19	6	4	
Italy, general	Nov. 30-Jan. 10	71		
Florence	Nov. 24-30	2		
Genoa	Dec. 1-15	1		
Naples	Dec. 7-Jan. 10	90	22	
Polesella	Dec. 1			Epidemic.
Japan:				
Formosa	Nov. 29-Dec. 19	8		
Java:				
Batavia	Nov. 1-Dec. 19	21	2	
Malta	Nov. 22-28	1		On vessel.
Mexico:				
Guadalajara	Jan. 7	1		
Mexico City	Nov. 8-Dec. 5		22	
Monterey	Jan. 4-17	1	1	
Salina Cruz	Jan. 1-15	5		
Veracruz	Dec. 13-Jan. 9	3	2	
Yucatan (Camp Mengel)	Dec. 21	1		
Moluccas Islands	Dec. 12			Present.
Netherlands, The:				
Rotterdam	Jan. 10-16	1		
Newfoundland:				
St. Johns	Jan. 10-23	4		From s. s. Portia.
Norway:				
Christiania	Nov. 22-28	1	1	
Persia:				
Hamadan	Oct. 2-8			Present.
Tabriz	Oct. 2-8			Do.
Teheran	Sept. 18-Oct. 28		10	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru:				
Lima	Nov. 22–Dec. 10	4		Dec. 19, 3 cases in the Lazaretto.
Salaverry	Nov. 19–25		1	
Philippine Islands:				
Manila	Nov. 1–14	2	2	
Porto Rico:				
Mayaguez	Dec. 20–Jan. 2	2		
Portugal:				
Lisbon	Nov. 30–Jan. 12	12		
Russia:				
Moscow	Nov. 29–Jan. 2	106	34	
Odessa	Jan. 3–9	7		
Riga	Nov. 29–Dec. 19	4		
St. Petersburg	Nov. 15–Dec. 26	32	9	
Warsaw	Nov. 1–28		10	
Servia:				
Belgrade	Dec. 6–12	2		
Siam:				
Bangkok	Nov. 1–30			Present.
Siberia:				
Vladivostok	Dec. 14–20	1		
Spain:				
Barcelona	Dec. 6–26		5	
Cartagena	July 1–31		15	
Madrid	Nov. 1–30		9	
Valencia	Nov. 29–Jan. 9	15	3	
Vigo	Nov. 30–Jan. 2		5	
Turkey in Asia:				
Adalia	Sept. 24–27		2	
Turkey in Europe:				
Constantinople	Dec. 7–Jan. 10		35	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Jan. 9	178,210	53										4	
Amsterdam	...do	565,222	162	22								2	4	6
Do	Jan. 16	565,222	188	30									7	2
Antwerp	Jan. 2	312,571	90	7							1			
Athens	...do	241,058	95	21				1		1				
Basel	...do	131,000	29	3								1		
Belfast	Jan. 9	386,576	124	18								2		1
Belize	Jan. 14	9,113	13											
Bergen	Dec. 26	87,749	34	3								2	2	
Do	Jan. 2	87,749	28	3								1	3	
Berlin	Dec. 26	2,112,399	520	76						1	9	11	5	9
Do	Jan. 2	2,112,399	474	69							5	15	4	3
Birmingham	Jan. 9	558,336	205							1		2	8	1
Bombay	Dec. 29	977,822	618	32	4	18		4		2			1	
Bordeaux	Jan. 9	253,000	130	12								1	1	1
Bradford	Jan. 2	292,136	61	2								2		2
Bremen	Dec. 19	233,907	68	10								3	2	1
Breslau	Dec. 26	335,186	144	20							1	1		
Bristol	Jan. 2	372,785	103							1		2	1	
Do	Jan. 9	372,785	98							2		1	1	1
Brussels	Jan. 2	630,078	151	18							1	1		
Do	Jan. 9	630,078	245	21						2	2	1	2	
Calcutta	Dec. 12	847,796	499	29	9	10		6					1	
Christiania	Jan. 2	297,000	76									1	1	2
Do	Jan. 9	237,000	70									3		3
Cienfuegos	Jan. 9	37,000	19	3										
Coatzacoalcos	Jan. 2	3,300	4											
Do	Jan. 9	3,300	3											
Cognac	...do	19,483	7											
Colon	Jan. 3	16,000	7	2						1				
Do	Jan. 10	16,000	9	1										
Do	Jan. 17	16,000	14	2										

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Constantinople	Jan. 3	1,000,000	278	24				6		15				
Do	Jan. 10	1,000,000	365	49				2		9	1	3		
Copenhagen	Dec. 19	440,000	123	19							1	1		2
Do	Dec. 26	440,000	81	8								1		
Damascus	...do	250,000	46											
Do	Jan. 2	250,000	50											
Denia	...do	12,431	3											
Do	Jan. 9	12,431	3											
Dresden	Dec. 26	545,200	162	19						1		5		
Durban	Dec. 12	60,972	11	1										
Do	Dec. 19	60,972	25	4										2
Dundee	Jan. 9	168,616	80									1		1
East London	Dec. 19	49,253	6							1				
Edinburgh	Jan. 9	355,366	138	15										
Fiume	Dec. 31	50,011	32	10										
Do	Jan. 7	50,011	13	2						1				
Do	Jan. 15	50,011	29	8						1			1	
Flushing	Jan. 2	20,257	9											
Do	Jan. 9	20,257	6											
Do	Jan. 16	20,257	8											
Geneva	Dec. 19	118,500	28								1			
Do	Dec. 26	118,500	26											
Do	Jan. 2	118,500	33											
Ghent	...do	165,033	60	3						1			3	
Gibralter	Jan. 3	26,830	12										1	
Do	Jan. 10	26,830	8	1										
Glasgow	Jan. 15	872,021	326							2	3	5	1	25
Gothenburg	Jan. 9	162,200	51	18						2	1	1		1
Greenock	...do	72,300	30											
Guadalajara	Jan. 14	125,000	77											
Guayaquil	Jan. 2	75,000	51	8	3									
Halifax	Jan. 16	40,787	16	3								1		
Hamburg	Jan. 9	872,252	300	23							8	8	4	4
Hamilton, Bermuda	Jan. 18	20,206	6											
Havre	Jan. 2	132,430	75	11								1		1
Do	Jan. 9	132,430	75	10						3				
Hongkong	Nov. 14	315,616			1									
Honolulu	Dec. 26	39,306	22	5										
Do	Jan. 2	39,306	11	3										
Hull	...do	271,137	102									1	3	
Do	Jan. 9	271,137	89							1	2		15	
Lausanne	Dec. 19	56,000	9											
Do	Dec. 26	56,000	10											
Do	Jan. 2	56,000	16											
Leith	Jan. 9	85,721	22	5										1
Leeds	Jan. 9	477,107	152	9						3		1	5	
Leipzig	Jan. 2	537,686	155	20							3	3	3	
Libau	Dec. 19	90,000									1	1		
Do	Dec. 26	90,000									2			
Do	Jan. 2	90,000									6			
Liege	...do	174,852	42	4										1
Liverpool	Jan. 9	760,303	305	28							3		9	6
London	...do	4,833,938	1,672	138						8	4	20	72	14
Lubeck	Jan. 2	96,000	23	2										1
Do	Jan. 9	96,000	28	1								1		
Magdeburg	Dec. 19	250,253	62	10							1	2		
Do	Dec. 26	250,253	65	6								7		
Do	Jan. 2	250,253	96	9							3	3		
Managua	Dec. 5	22,278	14	1										2
Do	Dec. 12	22,278	18											
Do	Dec. 19	22,278	10	1										
Do	Dec. 26	22,278	14											
Do	Jan. 2	22,278	13											
Manaos	Dec. 19	54,000	35	2			1							
Do	Dec. 26	54,000	25	1										
Do	Jan. 2	54,000	21							1				
Manchester	Jan. 9	655,435	233	26						4	8		11	1
Matamoros	Jan. 16	8,000	4	2										
Mazatlan	Jan. 2	22,000	32											
Do	Jan. 9	22,000	22											
Milan	Dec. 20	900,000	218	27						6			2	
Do	Dec. 27	900,000	157	31						3	2		1	
Do	Jan. 3	900,000	206	29						1	5	2		
Moncton, N. B.	Jan. 11	13,500	6	1										
Do	Jan. 18	13,500	2											

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Moscow	Dec. 26	1,335,104	629	87				7	5	3	12	11	8	4
Monterey	Jan. 17	100,000	64	3				1		1				
Nantes	Jan. 10	161,908	70	16						1				
Newcastle, N. S. W	Nov. 30	51,500	62	7										
Newcastle on Tyne	Jan. 9	277,259	89								2	1	3	3
Niuchwang	Dec. 19	60,000	5											
Nuevo Laredo	Jan. 16	8,000	3	1										
Nottingham	Jan. 2	260,000	100							1	1		2	
Palermo	Dec. 12	330,000	126	6										
Do	Dec. 19	330,000	151	2										
Do	Dec. 26	330,000	143	4					1			1		
Do	Jan. 2	330,000	145	5										
Para	...do	185,000		4			3							
Do	Jan. 9	185,000	91	11			3							
Paris	...do	2,776,394	1,164	233						3	6	6	2	
Plymouth	...do	124,180	42							1			2	
Port Elizabeth	Dec. 26	32,959	8											
Port of Spain	Dec. 19	60,000	32	8										
Do	Dec. 26	60,000	27	5										
Do	Jan. 2	60,000	31	3					3					
Queenstown	Jan. 2	7,684	3											
Rangoon	Dec. 19	252,155	148	1	1			1						
Rio de Janeiro	Dec. 20	811,445	360	85	2			55		2			2	
Do	Dec. 27	811,445	369	70	7			56		2		2	4	1
Rotterdam	Jan. 9	411,027	161								1	1		
Do	Jan. 16	411,027	130							2	3	1		
Saigon	Dec. 12	208,000						2						
Do	Dec. 19	208,000			1									
St. John, N. B	Jan. 16	40,711	8	1										
San Feliu de Guixols	Jan. 9	11,094	6	1										
Santa Cruz de Teneriffe	Jan. 2	46,000	12	2										
Santiago de Cuba	Jan. 16	45,497	15	2										
Schiedam	Dec. 12	3,113	11											
Do	Dec. 19	31,193	6	1										
Do	Dec. 26	31,193	7											
Do	Jan. 2	31,193	15	1										
Shanghai	Dec. 12	544,500	118	14								1		
Singapore	Dec. 19	260,000	216	25		12				4				
Southampton	Jan. 9	122,196	35	5								1		
South Shields	...do	115,535	41	7										
Stettin	...do	230,000	90	5								3	2	
Sunderland	...do	159,137	52	3									7	
Tegucigalpa	Jan. 6	24,000	2											
Tientsin	Dec. 5	1,000,000		1						1				
Do	Dec. 12	1,000,000		1										
Trieste	Dec. 19	216,077	93							1	2	1		
Do	Dec. 26	216,077	127											
Turin	Dec. 20	373,701	120	9						2		1		
Do	Dec. 28	373,701	118	10							1	1	2	
Valencia	Jan. 2	250,000	137	7								1		
Do	Jan. 9	250,000	113	12								1		
Veracruz	...do	32,000	32	5										
Vevey	Dec. 19	14,000	3											
Do	Dec. 26	14,000	2											
Do	Jan. 2	14,000	4											
Victoria, B. C	Jan. 16	30,000	7	1										
Vienna	Jan. 2	2,042,426	751	115						1	12	11	9	1
Vigo	...do	40,000	21					2			1	2		
Do	Jan. 9	40,000	20	2						1	1	1	2	
West Hartlepool	...do	66,750	24											
Winnipeg	Jan. 16	118,000	37	1										
Yokohama	Dec. 21	378,884								1	1			
Do	Dec. 28	378,884								1		1		
Zanzibar	Dec. 7	75,000	29	5										
Do	Dec. 14	75,000	20	2										
Zurich	Jan. 9	180,000	51	4										2

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended January 30, 1909.

Sick inspected	7
Plague	0
Dead inspected	118
Plague	0
Necropsy held	1
Premises inspected	10,145
Houses disinfected	11
Houses destroyed	3
Nuisances abated	712
Rats found dead	66
Rats trapped	2,126
Total rats taken	2,192
Rats identified:	
Mus norvegicus	1,442
Mus rattus	48
Mus musculus	653
Total	2,143
Rats identified as to sex	1,445
Male	601
Female	844
Rats examined bacteriologically	1,326
Plague rats	0
Poisons placed	79,818

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

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Week ended January 30, 1909.

Dead inspected	24
Plague	0
Necropsies held	3
Premises inspected	820
Nuisances abated	160
Premises cleaned	138
Garbage cans installed	138
Places made rat proof	3
Rats found dead	35
Rats trapped	585
Rats examined bacteriologically	620
Plague rats	0
Mice trapped	38
Mice examined bacteriologically	38
Plague mice	0
Poisons placed	8,393

POINT RICHMOND, CAL.

Week ended January 30.

Premises inspected	490
Nuisances abated	31
Rats found dead	14
Rats trapped	45
Rats examined bacteriologically	43
Plague rats	0
Mice trapped	3
Mice examined bacteriologically	3
Plague mice	0
Gophers trapped	1
Gophers examined bacteriologically	1
Plague gophers	0

ALAMEDA COUNTY, CAL.

Week ended January 30.

Sick inspected	12
Plague	0
Dead inspected	54
Plague	0
Necropsies held	5

CONTRA COSTA COUNTY, CAL.

Week ended January 30.

Dead inspected	1
Plague	0
Ranches inspected	42
Ranches found free of squirrels	4
Ranches poisoning squirrels	2

Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson, plague laboratory, reports, January 29:

Animals examined in the laboratory at Los Angeles, Cal.; from January 11 to 24, inclusive.

Ground squirrels	236
Gray rats	400
Black rats	62
Gambel pocket mouse	23
White rats	2
Rabbits	1

None of these animals was found to be infected with plague.

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STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA.—Month of December, 1908. Estimated population, 2,019,519. Total number of deaths reported to the state board of health, 2,856, including diphtheria 46, enteric fever 57, measles 11, scarlet fever 12, whooping cough 5, smallpox 1, and 397 from tuberculosis.

CONNECTICUT—*Bridgeport.*—Month of December, 1908. Estimated population, 100,000. Total number of deaths, 106, including diphtheria 4, scarlet fever 1, enteric fever 2, measles 2, whooping cough 1, and 11 from tuberculosis, Cases: Diphtheria 11, enteric fever 8, scarlet fever 8, measles 36, and phthisis pulmonalis 10.

IOWA—*Davenport.*—Month of January, 1909. Estimated population, 42,000. Total number of deaths 7, including diphtheria 1, and 5 from tuberculosis. Cases: Enteric fever 7, scarlet fever 2, diphtheria 8, measles 70, whooping cough 4, and tuberculosis 7.

KANSAS.—Month of December, 1908. Estimated population, 1,470,495. Total number of deaths from contagious and infectious diseases, 106. Causes of death: Tuberculosis 56, enteric fever 23, diphtheria 23, scarlet fever 4. Cases: Tuberculosis 85, enteric fever 91, diphtheria 171, scarlet fever 186, smallpox 197, and measles 42.

MASSACHUSETTS—*Worcester.*—Month of November, 1908. Estimated population, 147,084. Total number of deaths, 176, including enteric fever 4, measles 1, scarlet fever 1, diphtheria 10, and 16 from tuberculosis. Cases: Diphtheria 75, scarlet fever 24, enteric fever 13, measles 2, tuberculosis 28, and whooping cough 7.

Month of December, 1908. Total number of deaths, 176, including whooping cough 1, diphtheria 2, and 18 from tuberculosis. Cases: Diphtheria 62, scarlet fever 27, enteric fever 7, measles 2, tuberculosis 30, and whooping cough 6.

MONTANA.—Month of November, 1908. Estimated population, 280,000. Reports to the State board of health show as follows: Total number of deaths, 309, including diphtheria 13, enteric fever 17, scarlet fever 8, smallpox 1, measles 1, and 25 from tuberculosis. Cases: Diphtheria 95, enteric fever 64, measles 74, scarlet fever 159, and smallpox 60.

NEBRASKA—*Lincoln.*—Month of December, 1908. Estimated population, 60,000. Total number of deaths, 37, including diphtheria 3, scarlet fever 1, and 1 from tuberculosis. Cases: Diphtheria 11, scarlet fever 7, and smallpox 2.

NEW JERSEY.—Month ended January 15, 1909. Estimated population, 1,183,669. Total number of deaths, 3,164, including enteric fever 21, measles 33, scarlet fever 23, whooping cough 21, diphtheria 65, and 379 from tuberculosis.

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NEW YORK—*Buffalo.*—Annual report for the year 1908. Estimated population 410,000. Total number of deaths 6,052, corresponding to an annual death rate of 15.13 per 1,000, including tuberculosis 530, diphtheria 74, measles 32, scarlet fever 92, enteric fever 84, and 48 from whooping cough. Cases: Tuberculosis 740, enteric fever 455, diphtheria 644, scarlet fever 2,265, measles 1,919, whooping cough 535, and smallpox 6.

Month of December, 1908. Total number of deaths 480, including diphtheria 13, scarlet fever 16, enteric fever 7, and 33 from tuberculosis. Cases: Diphtheria 87, enteric fever 33, measles 36, scarlet fever 329, whooping cough 18, and tuberculosis 61.

Saratoga Springs.—Month of January, 1909. Estimated population 11,822. Total number of deaths 28, including 4 from tuberculosis.

OHIO—*Toledo.*—Month ended December 31, 1908. Estimated population, 187,453. Total number of deaths 158, including enteric fever 7, diphtheria 7, scarlet fever 2, and 15 from tuberculosis. Cases: Diphtheria 37, scarlet fever 13, measles 3, and enteric fever 42.

UTAH.—Month of December, 1908. Reports to the state board of health from 27 counties, having an estimated population of 346,873, show as follows: Total number of deaths 284, including diphtheria 4, enteric fever 5, whooping cough 2, scarlet fever 8, and 16 from tuberculosis. Cases: Diphtheria 88, enteric fever 28, measles 39, scarlet fever 110, smallpox 137, whooping cough 81, and tuberculosis 20 (incomplete).

WISCONSIN—*Milwaukee.*—Month of December, 1908. Estimated population, 360,000. Total number of deaths 348, including enteric fever 9, measles 3, scarlet fever 2, diphtheria 10, and 42 from tuberculosis. Cases: Smallpox 14, tuberculosis 66, diphtheria 81, scarlet fever 88, enteric fever 42, and measles 98.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to February 12, 1909.

For reports received from JUNE 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Jan. 12–31	6		
Tuscaloosa County	Feb. 6–Dec. 31	86		Year 1908.
Total for State		92		
Arkansas:				
Little Rock	Dec. 15–Jan. 2	23		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		33		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks
California, general	Nov. 1-Dec. 31		3	
Los Angeles	Dec. 6-Jan. 23	10		
Oakland	Nov. 1-Dec. 31	6		
Sacramento	Nov. 1-Dec. 31	24		
San Francisco	Dec. 13-Jan. 30	17		
Stockton	Nov. 1-30	12		
Total for State		69	3	
District of Columbia:				
Washington	Dec. 28-Jan. 30	2		
Total for District		2		
Illinois:				
Belleville	Dec. 4-20	3		
Browning	Oct. 25-Jan. 20	75		
Cairo	Jan. 7-28	100		
Centralia	July 1-Jan. 20	53		
Chicago	Jan. 8-23	3		
Danville	Jan. 11-24	2		
Ladd	Nov. 1-30	4		
Peoria	Dec. 20-26	4		
Taylorville	Aug. 1-Jan. 20	40		
Total for State		284		
Indiana:				
Allen County, Fort Wayne	Jan. 10-16	1		
Benton County	Nov. 1-30	1		
Boone County	Nov. 1-30	1		
Carroll County	Oct. 1-31	26		
Clay County	Oct. 1-31	8		
Dearborn County	Oct. 1-31	1		
Elkhart County	Oct. 1-Nov. 30	7		
Elkhart	Jan. 17-23	2		
Hendricks County	Nov. 1-30	2		
Madison County	Oct. 1-31	1		
Anderson	Dec. 1-31	1		
Marion County—				
Indianapolis	Jan. 18-31	3		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Nov. 30	18		
Lafayette	Dec. 15-Feb. 8	50	1	
Tipton County	Nov. 1-30	1		
Vanderburg County				
Evansville	Jan. 10-28	5		
Vigo County	Oct. 1-Nov. 30	6		
Wabash County	Nov. 1-30	3		
Wayne County	Nov. 1-30	8		
Total for State		147	1	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Council Bluffs	July 1-Dec. 31	19	2	
Total for State		20	4	
Kansas:				
Atchison County—				
Atchison	Dec. 20-Jan. 16	2		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Dec. 31	45		
Crawford County—				
Pittsburg	Nov. 1-Dec. 31	107		
Franklin County	Dec. 1-31	1		
Harvey County	Nov. 1-Dec. 31	4		
Jackson County	Nov. 1-Dec. 31	95		
Jefferson County	Dec. 1-31	2		
Jewell County	Dec. 1-31	2		
Montgomery County	Nov. 1-Dec. 31	18		
Nemeha County	Dec. 1-31	2		
Phillips County	Dec. 1-31	2		
Pottawatomie County	Nov. 1-Dec. 31	36		
Pratt County	Dec. 1-31	20		
Reno County	Nov. 1-Dec. 31	3		
Riley County	Nov. 1-30	2		
Saline County	Nov. 1-Dec. 31	31		
Shawnee County	Nov. 1-Dec. 31	6		
Topeka	June 7-Jan. 30	50		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Sheridan County	Dec. 1-31	9		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Dec. 31	7		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-23	8		
Total for State		461		
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg
Covington	Dec. 29-Feb. 6	10		
Henderson		7		Jan. 1-June 30, 1908.
Lexington	Dec. 28-Jan. 30	20		
Newport	July 1-Jan. 31	20	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Total for State		257	1	
Louisiana:				
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20-Jan. 30	14		
Shreveport	Jan. 1-20	32	1	
Total for State		76	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-Jan. 30	89		
Total for State		140		
Maryland:				
Baltimore	Jan. 30-Feb. 6	1		
Total for State		1		
Massachusetts:				
New Bedford	Jan. 30-Feb. 6	1		
Taunton	Jan. 3-9	1		
Total for State		2		
Michigan:				
Barry County	Nov. 1-30	2		
Delta County	Nov. 1-30	1		
Ingham County—				
Lansing	Nov. 1-30	6		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Muskegon County	Nov. 1-30	13		
Saginaw County—				
Saginaw	Jan. 16-23	1		
St. Clair County	Nov. 1-30	1		
Port Huron	Nov. 1-30-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-30	4		
		34		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 20-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Dec. 31	21		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Morrison County	Nov. 20-Dec. 13	20		
Nicolett County	Nov. 16-Dec. 13	8		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Oct. 6-Dec. 13	57		
Renville County	Dec. 1-7	1		
St. Louis County				
Duluth	Nov. 9-Jan. 22	8		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov, 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	8		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Saseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-30	1		
Stillwater	Dec. 1-31	8		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-7	4		
Yellow Medicine County	Oct. 20-26	1		
Total for State		237		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-30	1		
St. Joseph	Dec. 1-31	1		
St. Louis	Dec. 20-Jan. 30	6		
Springfield	Nov. 1-Dec. 31	2		
Total for State		10		
Montana:				
Cascade County	Nov. 1-30	4		
Flathead County	Nov. 1-30	1		
Gallatin County	Nov. 1-30	13		
Bozeman	Nov. 1-30	15		
Jefferson County	Nov. 1-30	4		
Ravalli County	Nov. 1-30	4		
Silverbow County	Nov. 1-30	5		
Butte	Dec. 2-Jan. 29	18		
Yellowstone County	Nov. 1-30	1		
Total for State		65		
Nebraska:				
Lincoln	Nov. 1-Dec. 31	5		
South Omaha	Dec. 20-Jan. 16	3		
Total for State		8		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		8		
New York, general	Nov. 1-30	55		
Syracuse	Jan. 9-31	3		
Total for State		58		
North Carolina:				
Bertie County	Nov. 1-30	1		
Catawba County	Nov. 1-30	1		
Currituck County	Nov. 1-30	3		
Johnston County	Nov. 1-30	1		
Pasquotank County	Nov. 1-30	17		
Wilmington	Jan. 22	1		Imported.
Total for State		24		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ohio:				
Cincinnati	Dec. 12–Feb. 5	114	1	
Dayton	Jan. 24–30	2		
Newark		3		Year 1908.
Tiffin	Jan. 8–23	2		
Total for State		121	1	
Oregon:				
Clackamas County	Sept. 1–30	1		
Harney County	Sept. 1–30	1		
Jackson County	Oct. 1–31	1		
Linn County	Sept. 1–Oct. 31	5		
Marion County	Sept. 1–Oct. 31	3		
Multnomah County, Portland.	Nov. 1–30	29		
Polk County	Sept. 1–Oct. 31	8		
Tillamook County	Oct. 1–31	1		
Umatilla County	Sept. 1–30	1		
Wallowa County	Oct. 1–31	1		
Washington County	Oct. 1–31	17		
Yamhill County	Sept. 1–30	7		
Total for State		75		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18–Jan. 20	3		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 19–25	1		
Pittsburg	Dec. 13–19	1		Imported.
Total for State		6		
Tennessee:				
Green County	Jan. 2	103		Including Greenville.
Knoxville	Dec. 28–Jan. 30	8		
Memphis	Jan. 18	1		Imported.
Nashville	Dec. 20–Feb. 6	17		
Polk County	Jan. 22	30		
Total for State		159		
Texas:				
Cost	Oct. 1–Dec. 19			Present.
Cotulla	Jan. 25			Do
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Goliad County	Dec. 1–Jan. 20	25		
Laredo	Dec. 26–Feb. 3	3		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–Jan. 23	36		
San Augustine County	Jan. 5			Do.
Total for State		332		
Utah:				
Davis County	Nov. 1–Dec. 31	20		
Garfield County	Dec. 1–31	9		
Salt Lake County	Dec. 1–31	26		
Salt Lake City	Dec. 1–31	77		
Sanpete County	Dec. 1–31	1		
Summit County	Dec. 1–31	7		
Utah County	Dec. 1–31	1		
Weber County	Nov. 1–Dec. 31	2		
Total for State		143		
Vermont:				
Newfane	Jan. 11	8		And vicinity.
West Windsor, township	Jan. 23	2		
Total for State		10		
Virginia:				
Lynchburg	Jan. 10–30	3		Imported.
Total for State		3		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Washington:				
Seattle	Nov. 1–Oct. 31	10		
Spokane	Dec. 6–Jan. 2	3	1	
Tacoma	Dec. 14–Jan. 17	31		
Total for State		44	1	
West Virginia:				
Charleston	Jan. 1–31	1		
Total for State		1		
Wisconsin:				
La Crosse	Dec. 13–Jan. 30	22		
Manitowoc	Dec. 13–Jan. 23	5		
Milwaukee	Dec. 6–Jan. 30	76		
Total for State		103		
Grand total for the United States		3,160	12	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Jan. 30	38,973	22					9		1					
Ann Arbor, Mich	do	14,509	4	1											
Auburn, N. Y	Jan. 23	30,345	12	2	2	2	1								
Baltimore, Md	Jan. 30	508,957		22	36	5	2	7		22	1	69	1	3	
Bayonne, N. J	do	32,722		1				2		5		60			
Beaver Falls, Pa	do	13,000						1		1					
Berkeley, Cal	Jan. 23	13,214	4				1	1		2		3			
Biddeford, Me	Jan. 30	16,145	14	1	1										
Binghamton, N.Y.[a]	do	38,647	13		2		1								
Boston, Mass	do	560,892	234	53	21	11	1	57	7	57	5	52	1	26	2
Braddock, Pa	Jan. 23	15,654	11	2						4		1			
Do	Jan. 30	15,654	5	1		1		2		5					
Bradford, Pa	do	15,029	3		1			3							
Brockton, Mass	do	40,063	10	1	2	1		3		2		78		11	
Butte, Mont	Jan. 19	30,470	11	1	1			5	2	3		1			
Do	Jan. 26	30,470	9		1			6	2	3					
Cambridge, Mass	Jan. 30	91,886	25	7	4			9	1	5		9			1
Camden, N. J	do	75,935	36	4	1			9		8		12			
Camden, S. C	do	2,441	2							2		1			
Carbondale, Pa	do	13,536	2							1					
Charlotte, N. C	Jan. 29	18,091	9		1	2	2					2		2	
Chelsea, Mass	Jan. 23	34,072	11							1		1			
Chicago, Ill	Jan. 30	1,698,575	545	53	81	48	4	190	16	173	9	91	3	15	1
Chicopee, Mass	do	19,167	8	1				2				1			
Cincinnati, Ohio[b]	Jan. 15	325,902	111	14	17	3	1	9		9	1	2		12	
Do	Jan. 29	325,902	122	9	20	2	2	12		12	1	4		9	
Cleveland, Ohio	do	381,768	144	21	16	10		18	2	31	2	3		28	
Clinton, Mass	Jan. 30	13,667	2									2			
Columbus, Ga	do	17,614	12												
Covington, Ky	do	42,938	16		1			1				1			
Danville, Ill	Jan. 31	16,584	8		1			3							
Dayton, Ohio	Jan. 30	85,333	29	1	4	1		4		3		2			
Detroit, Mich	Jan. 23	285,704	128					7		12	1				
Do	Jan. 30	285,704	144					8		21	5				
Duluth, Minn	Jan. 28	80,000	18	1	1			4		21	2			1	1
Dunkirk, N. Y	Jan. 30	11,616	5	3						3					
Elmira, N. Y	do	35,672	12	28	1		1			1		3			
El Paso, Tex	Jan. 26	15,905	28	1	5					1					
Do	Feb. 2	15,905	29		6	3	1			2					
Elkhart, Ind	Jan. 30	15,184	4					1		7		1			
Erie, Pa	do	52,733	12	9	1	3		10		4	1			2	

[a] Total number of deaths include 5 from the State Hospital. [b] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Evansville, Ind	Jan. 30	59,007	23	2	4					5	1	1			
Everett, Mass	do	24,336	10		1			5		3	1			2	
Fall River, Mass	do	104,863	34	2	2			3		4		6			
Findlay, Ohio	do	17,613	5		1										
Galesburg, Ill	do	18,607	4												
Galveston, Tex	Jan. 29	37,789	12	3		1				1	2				
Gloucester, Mass	Jan. 30	26,121	3												
G'd Rapids, Mich	do	87,565	24	1	4	6		20	1	1	1	4		3	
Great Falls, Mont	do	14,930	9	1	1	1	1	11	2	2		2		2	
Greensboro, N. C	do	10,035	5	1	1							3			
Hammond, Ind	do	12,376	5				1								
Harrison, N. J	do	10,596	3					2		1					
Hartford, Conn	Jan. 24	79,850	30	2	6	1		2		5				4	
Do	Jan. 31	79,850	22	4	2					5					
Haverhill, Mass	Jan. 30	37,175	17	4	3	1		1		10	2				
Hoboken, N. J	do	59,364						1		2		2			
Indianapolis, Ind	Jan. 31	169,164	41		6	1	1	3		9		17			
Jacksonville, Fla	Jan. 30	28,429	15		1	3				2					
Jacksonville, Ill	Jan. 7	15,078	7							1					
Do	Jan. 14	15,078	4												
Do	Jan. 21	15,078	4							1					
Do	Jan. 28	15,078	6												
Do	Feb. 4	15,078	7												
Jersey City, N. J	Jan. 31	206,433	85		5			19	1	7	2	69	1	2	3
Johnstown, Pa	Jan. 30	35,936	27		1	15	1	12	4	8	2	11		1	
Kalamazoo, Mich	Jan. 16	24,404	15	1											
Do	Jan. 23	24,404	12		1										
Do	Jan. 30	24,404	11									1			
Kansas City, Kans	do	51,418	25	1	2	1	1	4		7	1	1		2	
Kansas City, Mo	do	163,752	48		3	4	2	7		4	1	1			
Kearny, N. J	do	10,896	7					2							
Knoxville, Tenn	do	32,637	10	1		1	1					23			
La Crosse, Wis	do	28,895	6			1		1							
La Fayette, Ind	Feb. 1	18,116	3		1					1					
Lancaster, Pa	Jan. 30	41,459	11					3		2		2		3	
Lawrence, Mass	do	62,559	25		1	1		1		4		5			
Lebanon, Pa	do	17,628	8	2	1			1		1		2			
Lexington, Ky	do	26,369	12		2		1			3		1		4	
Los Angeles, Cal	Jan. 23	102,479	74	2	8	7	1	17		13		3			
Lowell, Mass	Jan. 30	94,969	36	3	1			2		10	1	12			
Lynchburg, Va	do	18,891										1			
Lynn, Mass	do	68,513	21		4			3		6		1			
McKeesport, Pa	Jan. 9	34,227	14	1						3		2			
Do	Jan. 16	34,227	10					2			1	2		4	
Do	Jan. 23	34,227	12		1	1		1		1	1			2	
Do	Jan. 30	34,227	11											9	1
Malden, Mass	do	33,664	11	4		1		1		5					1
Manchester, N. H	do	56,987	32	3	3					17	2			1	1
Manitowoc, Wis	do	11,786	2	1	1			1		1		7			
Mansfield, Ohio	do	17,650						1		2					
Marinette, Wis	do	16,196	4					2							
Marion, Ind	do	17,337	4												
Massillon, Ohio	do	11,944	2												
Medford, Mass	do	18,244	7		1					2					
Melrose, Mass	Jan. 23	12,962	2		1			3						2	
Do	Jan. 30	12,962	3			1				1				4	
Milwaukee, Wis	do	285,315	96	11	10	9	1	27	2	32	3	59	3	5	
Montclair, N. J	do	13,962	2					2				5			
Montgomery, Ala	Jan. 29	30,346	13		2										
Moline, Ill	Jan. 31	17,248							1				6		
Morristown, N. J	Jan. 30	13,000	2	2				2							
Mount Vernon, N. Y	do	21,228	9	1								9			
Nanticoke, Pa	Jan. 31	12,616	2					1		2					
Nashville, Tenn	Jan. 30	80,865	46	2	3	2		2		3					
Nebraska City, Nebr.[a]	Jan. 2	7,200								2					
Do	Jan. 30	7,200								1					
Newark, N. J	do	246,070	95		13		1	31		29	1				2
New Bedford, Mass	do	63,442	43	2	5	1		9		5	1	1		7	
New Brunswick, N. J	Jan. 16	20,006								3					

[a] Reported out of date.

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Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New Brunswick, N. J	Jan. 23	20,006									1				
Do	Jan. 30	20,006				1				1					
Newburyport, Mass	do	14,478	4	3				1							
New London, Conn	do	17,548	8	1				2							
New Orleans, La	do	278,104	119	28	10	14	3	20		8	1				
Newport, Ky	do	28,301	32		1		1			8	1				
Newton, Mass	do	33,587	10					2		3					
New York, N. Y	do	3,437,202	1,364	462	173	32	7	360	26	369	43	505	18	68	5
Niagara Falls, N. Y.	do	19,457	6			18	1	2							
Norristown, Pa	do	22,265	12	2	2	2									
North Adams, Mass	Jan. 31	24,200	6							2					
Northampton, Mass	Jan. 30	18,643	4			1				1		28			
Oklahoma City, Okla	Jan. 23	43,500	13		2	1									
Orange, N. J	Jan. 20	24,141	9	1	1			2		5	1	4			
Ottumwa, Iowa	do	18,197	6	1				2		1				4	
Palmer, Mass	Jan. 16	7,801	3		1										
Do	Jan. 23	7,801	4			1									
Do	Jan. 30	7,801	3												
Passaic, N. J	do	27,777	13					1		2				8	
Pittsburg, Pa	do	321,616	163	42	10	19	1	31	3	12		30	1	14	4
Pittsfield, Mass	Jan. 23	21,766	8			1		1				1			
Do	Jan. 30	21,766			1			6				1			
Plainfield, N. J.[a]	Jan. 16	15,369	6	1				2				2			
Do	Jan. 29	15,369	3	2								2			
Plymouth, Pa	Jan. 30	13,649								2		1			
Portsmouth, N. H.	do	10,637								1					
Portsmouth, Va	Feb. 2	17,427	8					3		1					
Providence, R. I	Jan. 30	175,597	96	9	11	1		10		9	2				
Racine, Wis.[a]	Jan. 16	29,102	9		1			2							
Do	Jan. 30	29,102	3					2							
Reading, Pa	Feb. 1	78,961	24	3	4	11		1		5				1	
Richmond, Va	Jan. 30	85,050	55	9	8	6	1			5	1	3	1	4	1
Rockford, Ill	do	31,051								1					
Saginaw, Mich	Jan. 23	42,345	17	1	1	2		3		2		1			
St. Joseph, Mo	Jan. 16	102,979	14							3					
Do	Jan. 23	102,929	17		1	1									
Do	Jan. 30	102,979	15		1			2		2					
St. Louis, Mo	do	575,238	209	40	22	8	1	27		64	7	234	3	4	
San Francisco, Cal.	Jan. 23	342,782	107	23	9	3	1	4		8		73		22	
Shamokin, Pa	Jan. 30	18,202	3					2		1					
Somerville, Mass	do	61,645	18	3	2			9		7	1	10			
South Bend, Ind	do	35,999	12	2	2			9		2		5			
So. Omaha, Nebr	Jan. 23	26,001										1			
Springfield, Ill	Jan. 29	34,159	10					2		4					
Springfield, Mass	Jan. 30	62,059	22	2	2			2		3	1	8			
Springfield, Ohio	do	38,253	9	3				1		1		1			
Steelton, Pa	do	12,068		2	1					2	1				
Taunton, Mass	do	31,036	9											2	
Terre Haute, Ind	do	36,673	25		5		1	1		1	1	1			
Tiffin, Ohio	do	10,898						4		1					
Titusville, Pa	do	8,244	1					4							
Topeka, Kans	do	33,608	23				2	4		2		1			
Trenton, N. J	do	73,307		8	5	2	2	2		2					
Waltham, Mass	do	23,481	7			1		7		3	1	7			
Warren, Pa	Jan. 24	8,048	3												
Washington, D. C	Jan. 30	278,718	123	41	14	18	4	21		14	2	309	1	5	
Wheeling, W. Va	do	38,878	16	5	1	5	1					3			
Wichita, Kans	Jan. 9	24,671						1		4					
Do	Jan. 23	24,671						3		3					
Wilkes-Barre, Pa	Jan. 29	51,721	13	1	1	2		9		11		6			
Wilkinsburg, Pa	Jan. 28	13,000	9	5		1		1		2		1			
Wilmington, Del	Jan. 30	76,508	29		1										2
Winona, Minn	Feb. 2	19,714	4		2										
Woburn, Mass	Jan. 30	14,254	1												
Worcester, Mass	Jan. 23	118,421	34	11		2	1	5		3					
Do	Jan. 30	118,421	42	6	6	1		9		7					
York, Pa	do	33,708		7				3						4	

[a] Reported out of date.

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, January 20, 1909.]

PLAGUE.

GERMAN EMPIRE.—January 14. Vessels and crews arriving from Beirut admitted to free pratique at German ports after medical inspection.

TURKEY.—January 4. Arrivals from Beirut subject to medical inspection and thorough disinfection, with destruction of rats on board, these measures to be applied at a Turkish lazaretto within forty-eight hours after arrival.

BARBADOS.

Report from Bridgetown—Status of yellow fever.

Consul Martin reports, January 11:

Since the outbreak of yellow fever in this colony on October 8, 1908, there have been reported to this consulate by the health authorities 11 cases, 2 in Bridgetown and 9 in the Parish of St. Lucy, at the extreme north end of the island and 18 miles from the port of Bridgetown. Six of these were reported as fatal. The other 5 were reported as isolated on a certain date, but no further report as to whether the cases were fatal or not has been received. The cases in detail as reported are as follows:

	Reported.	Isolated.
1 case, Bridgetown	October 11, 1908	October 8, 1908; fatal.
1 case, St. Lucy	December 14, 1908	December 12, 1908.
Do	December 29, 1908	December 20, 1908; fatal.
1 case, Bridgetown	do	December 26, 1908; fatal.
1 case, St. Lucy	January 4, 1909	December 29, 1908.
Do	do	December 29, 1908; fatal.
Do	January 7, 1909	January 4, 1909; fatal.
Do	January 12, 1909	January 9, 1909.
Do	January 15, 1909	January 8, 1909; fatal.
2 cases, St. Lucy	do	January 12, 1909.

Except in the first instance the disease has not attacked Europeans or tourists. It has existed among the native born, both white and black, and, according to reports, people who are very poorly nourished.

The authorities have quarantined the infected district and fumigated all houses, and each house is visited once a day by a medical man, who, if he finds any indication of fever, sends the patient immediately to the isolation hospital.

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Yellow fever spreading at Barbados.

The following information is received from the Department of State under date of February 4:

The consul at Barbados reports yellow fever extending. Twenty-seven cases are reported; 11 in past 7 days.

February 5. Quarantine officers at South Atlantic and Gulf ports, and at Porto Rico, were informed by the bureau of the spread of yellow fever at Barbados and directed to exercise all precautions against importation. The same information was sent to Passed Assistant Surgeon Amesse at Habana and to the quarantine officer at New York.

CUBA.

Report from Cienfuegos—Inspection of vessels—Sanitary conditions

Acting Assistant Surgeon Suarez reports, January 28:

Week ended January 23.

Vessels inspected	5
Bills of health issued	5
Members of crews inspected	168

The sanitary conditions of the city and port remain fair. No quarantinable disease was reported during the week.

Report from Habana—Inspection of vessels—Sanitary conditions.

Passed Assistant Surgeon Amesse reports, February 1:

Week ended January 30.

Vessels inspected	23
Bills of health issued	24
Members of crews of outgoing vessels inspected	1,259
Passengers of outgoing vessels inspected	1,297

Sanitary reports from all parts of Cuba reveal satisfactory health conditions.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, February 1:

Week ended January 30. Bills of health issued to 7 vessels clearing for United States ports. No quarantinable diseases have been reported.

Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, January 26:

Week ended January 23. Bills of health issued to 4 vessels bound for the United States. No vessel was fumigated. No quarantinable disease was reported.

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HAWAII.

Reports from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie reports, January 18, through Temporary Chief Quarantine Officer Moore:

Week ended January 16.

Total number of rats taken in Honolulu	653
Trapped	651
Found dead	1
Examined bacteriologically	459
Rats from Honolulu showing plague infection	0
Rats from Hilo under investigation (cultures sent from Hilo)	8
Classification of rats trapped:	
Mus rattus	85
Mus norvegicus	67
Mus alexandrinus	61
Mus musculus	449
Total classified	662
Average number of traps set daily	1,439

ITALY.

Report from Naples—Inspection of vessels—Emigrants recommended for rejection—Smallpox in Naples—Vaccination on vessels—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, January 18:

Vessels inspected at Naples and Palermo week ended January 16.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Jan. 13	Calabria	New York	237	7	350
13	Pannonia	do			
16	Venezia	do	995	90	1,450
	Total		1,232	97	1,800

PALERMO.

Jan. 14	Calabria	New York	256	212	157

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Jan. 13	Calabria	9		10	1	2	22
13	Pannonia						
16	Venezia	25		15		9	49
	Total	34		25	1	11	71

PALERMO.

Jan. 14	Calabria	11		11		1	23

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Smallpox in Naples.—During the week ended January 17 there were 46 cases of smallpox and 7 deaths reported at the health office of the city of Naples. From the date of the introduction of the disease from Marseille, June 13, 1908, the total number of cases has been 343, with 51 deaths. The total number of cases in Naples at the present time, including those reported at the end of last week, is officially stated to be 63. This is believed to be less than the actual number. All occupants of houses in the immediate vicinity of infected dwellings are vaccinated, but from six to eleven days usually elapse before this is done, though occupants of the infected houses are always vaccinated at once, upon a case being reported to the health office. A general vaccination has not been carried out.

Two foci of infection exist, one in the central and one in the western part of the city. Most of the cases have occurred in these sections, with a small number scattered throughout the other sections. No cases have been discovered in the business or hotel districts. The infected houses are mostly situated on the dark and narrow streets with which the older portion of Naples so greatly abounds, and in which cholera and plague have prevailed so terribly in years past.

Members of crews embarking at Naples on ships bound for the United States are vaccinated by the ships' surgeons, who certify to that effect before bills of health are issued. Since December 14, 1908, the consul-general at Genoa has required the vaccination of all steerage passengers bound for the United States and the disinfection of unclean baggage from smallpox-infected districts, a rather violent epidemic having been reported to exist in Ferrara, on the river Po. The precautions taken at Palermo have always been similar to those at Naples, so that ships from Italian emigration ports may now be considered very safe.

Status of smallpox in Italy.—Week ended January 17. Province of Reggio Calabria (Cinquefrondi) 13 cases.

JAPAN.

Reports from Yokohama—Inspection and fumigation of vessels—Plague-infected rats found on coast steamship Tonegawa Maru from Osaka for Ujina.

Passed Assistant Surgeon Cumming reports, January 9 and 12:

During the week ended January 2 bills of health were issued to 2 vessels, having an aggregate personnel of 52 saloon and 262 steerage passengers, and 337 members of crews.

This port and vicinity remain free from quarantinable diseases.

Week ended January 9, bills of health issued to 6 steamships having an aggregate personnel of 659 members of crews, 74 saloon, and 134 steerage and second-cabin passengers.

The *Benledi*, hence for Manila via Kobe and ports was given a bill of health with indorsement advising partial fumigation, bathing of crew, and disinfection of forecastle before leaving Kobe, which is undoubtedly plague infected.

Plague-infected rats were found on the coast steamship *Tonegawa Maru* at Ujina, the closed naval port in the Inland Sea, upon her arrival January 8 from Osaka, which place, from a maritime quarantine point, is a part of Kobe.

The health conditions here remain good.

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Report from Kobe—Inspection of vessels—Examination of emigrants.

Acting Assistant Surgeon Smith reports, January 7:

During the week ended January 2 supplemental bills of health were granted to 4 steamships, and 1 original bill of health was granted to 1 steamship.

There were inspected 155 members of crew and 269 steerage passengers. Twenty-two members of crew and 59 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 139 and of bedding 64. Manifests were viséed for 57,155 pieces of freight, amounting to 4,841 tons.

Emigrants were examined as follows: Steamship *Manchuria* for Honolulu, passed 27, recommended for rejection 9; steamship *Chiyo Maru* for Honolulu, passed 28, recommended for rejection 1; steamship *Chiyo Maru* for San Francisco, passed 4, recommended for rejection none.

MEXICO.

Report from Mexico City—Yellow fever at Merida and in vicinity of Maxcanu.

The following is received from Dr. Eduardo Liceaga, president of the superior board of health, under date of January 27:

During the week ended January 23, 1 death from yellow fever occurred at Merida; 1 case of yellow fever at San Bernardo plantation, 9 kilometers distant from Maxcanu, and 3 cases and 2 deaths at Maxcanu.

PHILIPPINE ISLANDS.

Reports from Manila—Cholera and smallpox—Organization for sanitary inspection—Inspection of vessels.

Chief Quarantine Officer McClintic reports, December 13 and 22:

Week ended December 12.

Two new cases of cholera with 1 death and 3 new cases of smallpox with no deaths were reported for the city of Manila.

During the week reports of cholera in the provinces were received by the bureau of health as follows:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Rizal	2	2	Antique	29	18
Bulacan	8	6	Laguna	3	3
Leyte	59	59	Cagayan	14	7
Ilocos Sur	25	22	Ilocos Norte	32	17
Capiz	93	51	Zambales	3	3
Palawan	2	.....			
Cavite	2	2	Total	279	194
Iloilo	7	4			

During the week consular bills of health were issued at the city of Manila as follows:

December 9 the British steamship *Sungkiang*, with 67 in the crew and with 21 passengers, en route from Hongkong and Amoy to Cebu and Iloilo, was granted a supplemental bill of health. The crew and

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steerage passengers were bathed and disinfected at the Mariveles quarantine station on arrival at this port. December 9 the British steamship *Kumeric*, with 70 in the crew, was granted a bill of health for the port of Tacoma, via China and Japan ports. The crew and cargo were inspected and passed.

December 22. During the week ended December 19 the only quarantinable disease reported for the city of Manila was one case of cholera, with no deaths. It is therefore evident that cholera has practically been stamped out in this city. A few sporadic cases still occur in the adjoining provinces. In order to forestall a possible recrudescence or reappearance of the disease in the city of Manila, the bureau of health has organized a permanent force of sanitary inspectors and divided the city into sanitary districts for this purpose. The 5 large sanitary districts into which the city was formerly divided have been maintained with an inspector in charge of each, but these districts have been further divided into a total of about 70 subdistricts, and a subinspector has been assigned to each. It will be the duty of these inspectors to look after the general sanitary condition of closets, lavatories, and sinks; to see that garbage is properly disposed of and that the water used is from the city water supply and not from shallow wells or stagnant pools; and after the inspection is made to have a card placed in each house inspected showing date of inspection and condition of premises.

By means of this organization a force of sanitary inspectors will be available to the bureau of health should another epidemic occur. This has not been the case in past epidemics, which has proven a great handicap to the health authorities in their fight against the disease.

During the week the following cases and deaths from cholera were reported as having occurred in the provinces:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Rizal	4	7	Antique	27	21
Bulacan	3	2	Laguna	7	5
Ilocos Sur	45	31	Ilocos Norte	43	26
Capiz	47	27	Cagayan	12	5
Palawan	1	1			
Cavite	7	6	Total	196	131

During the week consular bills of health were issued at the port of Manila as follows:

December 15 the United States Army transport *Sheridan*, with 191 in the crew and with 318 passengers, was granted a bill of health for San Francisco via Nagasaki and Honolulu. The crew and steerage passengers were bathed and their effects disinfected at the Mariveles quarantine station. All baggage and cargo were either disinfected or passed after inspection. All persons on board were inspected at the hour of sailing. December 17 the British steamship *Ning Chow*, with 89 in the crew, en route from Tacoma to Cebu, was granted a supplemental bill of health. December 17 the French steamship *Kouangsi*, with 61 in the crew, en route from Shanghai to Cebu, was granted a supplemental bill of health after the usual inspection.

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TURKEY.

Report from Constantinople—Plague at Jiddah.

The following information is received from the Department of State, under date of February 3:

A cablegram received from the vice-consul-general at Constantinople reads: "Some cases of plague are reported at Jiddah."

Report from Smyrna—Endemic diseases in city and vicinity.

Assistant Surgeon Wollenberg at Naples forwards the following information, January 18, received from Consul-General Harris under date of January 5:

"Favus, trachoma, and leprosy are practically endemic diseases in Smyrna. Smallpox is perhaps the most common disease, especially in the interior of the country, where no precautions are taken. At the present moment it is rife among the lower classes in Smyrna, but despite the efforts of the authorities, the majority of the population refuse to submit to vaccination, although it is done free of charge."

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AUSTRIA-HUNGARY—*Budapest.*—Two weeks ended January 2, 1909. Estimated population, 804,200. Total number of deaths not reported. Deaths included enteric fever 4, scarlet fever 13, diphtheria 4, and 12 from measles.

CUBA—*Matanzas.*—Three weeks ended January 20, 1909. Estimated population, 35,515. Total number of deaths, 36, including 7 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended January 16, 1909, correspond to an annual rate of 16.6 per 1,000 population, which is estimated at 16,234,952.

London.—One thousand five hundred and sixty-three deaths were registered during the week, including measles 79, scarlet fever 11, diphtheria 14, enteric fever 8, whooping cough 8, tuberculosis 128, and 22 from diarrhea. The deaths from all causes correspond to an annual rate of 16.9 per 1,000. In greater London 2,208 deaths were registered. In the "outer ring" the deaths included 3 from measles, 6 from diphtheria, scarlet fever 3, and 3 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended January 16, 1909, in the 21 principal town districts of Ireland was 21.4 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Dundalk, viz, 8.0, and the highest in Kilkenny, viz, 49.1 per 1,000.

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Scotland.—The deaths registered in 8 principal towns during the week ended January 16, 1909, correspond to an annual rate of 18.1 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Perth, viz, 26.4 and the lowest in Leith, viz, 12.2 per 1,000. The aggregate number of deaths registered from all causes was 648, including measles 3, diphtheria 7, scarlet fever 5, whooping cough 39, and 4 from enteric fever.

GREECE—*Patras.*—Two weeks ended January 15, 1909. Estimated population, 40,000. Total number of deaths, 25, including enteric fever 1, scarlet fever 3, diphtheria 1, and 1 from tuberculosis.

MADAGASCAR—*Tamatave.*—Month ended December 12, 1908. Estimated population, 7,086. Total number of deaths, 3; cause of death not reported.

MALTA.—Two weeks ended January 2, 1909. Estimated population, 209,974. Total number of deaths, 197, including diphtheria 2, enteric fever 1, and 10 from tuberculosis.

PANAMA—*Panama*, *Colon*, and *Canal Zone.*—Month of December, 1908. Estimated population, 126,179. Total number of deaths, 275, corresponding to an annual death rate of 26.15 per 1,000, including enteric fever 1, malarial fever 35, beriberi 4, and 33 from tuberculosis. Of this number 86 occurred among the employees of the Isthmian Canal Commission and Panama Railroad Company, corresponding to an annual death rate of 25.03 per 1,000, of which 12.81 was due to disease, including malarial fever 3, enteric fever 1, and 9 from tuberculosis. Total number of employees, 41,219.

PHILIPPINE ISLANDS—*Manila.*—Quarter ended September 30, 1908. Estimated population, 223,542. Total number of deaths of residents, 3,682, including cholera 413, diphtheria 2, enteric fever 33, leprosy 12, smallpox 36, whooping cough 1, beriberi 257, and 331 from tuberculosis. The number of deaths occurring among transients was 195, including cholera 45, enteric fever 3, smallpox 2, beriberi 12, and 18 from tuberculosis.

SOCIETY ISLANDS—*Tahiti.*—Five weeks ended January 9, 1909. Estimated population, 4,000. Total number of deaths, 11, including typhus fever 1, and 1 from tuberculosis.

SPAIN—*Huelva.*—Month of December, 1908. Estimated population, 24,000. Total number of deaths, 69, including enteric fever 2, measles 1, and 15 from tuberculosis.

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Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to February 12, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15–Dec. 5	12	10	
India:				
Bombay	Dec. 9–Jan. 12		68	
Calcutta	Nov. 1–Jan. 2		85	
Madras	Nov. 14–Dec. 18		49	
Negapatam	Oct. 31–Nov. 6		1	
Rangoon	Nov. 8–Dec. 26		10	
Indo-China—Cholen	Nov. 9–15	1	1	
Persia:				
Tabriz	Oct. 9–Nov. 30	1,000	500	Dec. 9, still present.
Philippine Islands:				
Manila	Nov. 1–Dec. 19	80	53	Third quarter, 1908, 673 case and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1–Dec. 19	206	123	
Bataan	Nov. 1–7	1	1	
Bulacan	Nov. 1–Dec. 19	81	67	
Capiz	Nov. 1–Dec. 19	651	356	
Cagayan	Nov. 1–Dec. 19	72	46	
Cavite	Nov. 1–Dec. 19	64	47	
Ilocos Norte	Nov. 1–Dec. 19	233	168	
Ilocos Sur	Nov. 1–Dec. 19	201	137	
Iloilo	Nov. 1–Dec. 19	237	120	
La Laguna	Nov. 1–Dec. 19	68	45	
Leyte	Nov. 1–Dec. 19	98	86	
Nevros Occidental	Nov. 1–Dec. 5	188	128	
Palawan	Nov. 1–Dec. 19	10	5	
Pampanga	Nov. 1–28	3	3	
Rizal	Nov. 1–Dec. 19	77	69	
Samar	Nov. 1–Dec. 5	116	83	
Surigao	Nov. 15–21	1		
Union	Nov. 1–7	6	4	
Zambales	Dec. 6–12	3	3	
Russia, general	Nov. 15–Jan. 16	3,113	1,312	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowaka, Etschmiadsin, and Dorpat.
Amolinsk	Nov. 15–Dec. 19	29	13	
Bakoo	Nov. 22–28	3	2	
Batoom	Nov. 15–21	4	2	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Jan. 16	164	82	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Kerson	Nov. 15–Dec. 19	2		
Kharkov	Dec. 6–12	1		
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1		
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–12	2	2	
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3		
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	
Semipalatinsk, territory of	Dec. 19–26	1		
Stavropol	Nov. 15–21	1		
St. Petersburg, government	Nov. 15–Dec. 12	11	3	
St. Petersburg	Nov. 29–Jan. 16	957	301	Jan. 19, still present.
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 16	99	47	
Tver, district	Nov. 15–Dec. 5	4		
Volgoda	Dec 6–12	1		
Yellsavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–30			Present.
Straits Settlements:				
Singapore	Nov. 8–Dec. 19		90	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Barbados:				
Bridgetown	Dec. 12–Feb. 4	26	5	Dec. 27–Jan. 15, 9 cases and 4 deaths in parish of St. Lucy and 1 case in parish of St. Andrew.
Brazil:				
Bahia	Nov. 15–Jan. 2	21	10	Feb. 1. Epidemic.
Manaos	Nov. 29–Dec. 19	.....	3	
Para	Nov. 22–Jan. 16	23	23	
Pernambuco	Nov. 15–30	.....	1	
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1–2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago where 1 case died Dec. 31.
Curaçao	Jan. 15	1	.....	
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 2	21	6	
Ecuador:				
Guayaquil	Nov. 29–Jan. 16	.....	13	
Martinique:				
Fort de France	Dec. 13–19	1	.....	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–Jan. 23	12	6	
San Bernardo plantation	Dec. 27–Jan. 23	3	2	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Veracruz	Dec. 6–Jan. 2	11	4	
Trinidad:				
Port of Spain	Jan. 20	.....	1	

PLAGUE.

Australia:				
Brisbane	Nov. 1–7	1	1	
Brazil:				
Bahia	Nov. 15–Jan. 2	21	11	Feb. 1. Epidemic.
Pernambuco	Nov. 1–30	.....	6	
Rio de Janeiro	Nov. 16–Dec. 27	46	23	
Chile:				
Iquique	Nov. 22–Dec. 28	3	1	
China:				
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–14	1	1	
Tientsin	Oct. 18–Nov. 21	.....	.....	Still present.
Tongshan	Nov. 1–14	.....	.....	Present.
Ecuador:				
Guayaquil	Nov. 29–Jan. 16	.....	13	
Milagro	Nov. 17–Dec. 12	17	8	Dec. 19, still present.
Egypt:				
Alexandria	Nov. 14–Dec. 4	3	.....	
Port Said	Dec. 4	1	.....	
Provinces—				
Assiout	Dec. 2–Jan. 1	3	3	
Beherach	Nov. 24–Dec. 26	11	6	
Galyoobeeyeh	Nov. 21–Jan. 6	2	.....	
Garbieh	Nov. 27–Jan. 14	4	2	
Girgeh	Oct. 18–Dec. 30	4	3	
Fayoum	Nov. 23–Dec. 1	1	1	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Dec. 29	1	.....	
India:				
Bombay Presidency and Sind.	Nov. 2–Dec. 17	7,533	5,307	
Madras Presidency	Nov. 2–Dec. 17	478	354	
Bengal	Nov. 2–Dec. 17	639	535	
United Provinces	Nov. 2–Dec. 17	506	436	
Punjab	Nov. 2–Dec. 17	2,813	2,243	
Burma	Nov. 2–Dec. 17	339	333	
Central provinces, including Berar.	Nov. 2–Dec. 17	1,152	865	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Dec. 17	1,375	937	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
Hyderabad State	Nov. 2-Dec. 17	256	222	
Central India	Nov. 2-Dec. 17	502	395	
Rajputana	Nov. 2-Dec. 17	410	413	
Grand total		16,008	12,013	
Indo-China:				
Cholen	Oct. 25-Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25-Dec. 26	8	7	
Japan:				
Formosa	Nov. 8-14	17	5	
Mauritius	Oct. 2-Nov. 28		64	
Peru:				
Callao	Nov. 13-Dec. 24	4		Jan. 2, still present.
Cataeaos	Dec. 11-17	3		
Chepen	Nov. 27-Dec. 17	9	1	
Chiclayo	Nov. 13-Dec. 24	8	5	
Eten	Nov. 13-Dec. 24	9	8	
Ferrenafe	Nov. 13-Dec. 24	9	3	
Lima	Nov. 13-Dec. 24	27	8	
Mollendo	Nov. 13-Dec. 3	4	2	
Monsefu	Nov. 13-Dec. 24	7	2	
Oyotun, plantation	Nov. 20	4		
Paita	Dec. 11-17	3	2	
Piura	Dec. 11-24	5	3	
San Jose (Lambayeque)	Nov. 13-Dec. 3	2		
San Pedro	Nov. 13-Dec 24	19	12	
Trujillo	Nov. 13-Dec. 24	73	27	
Siam:				
Bangkok	Sept. 27-Oct. 24	5	1	Present in November.
Straits Settlements:				
Singapore	Nov. 30-Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6-Jan. 16	37	12	
Beirut	Dec. 17-Jan. 9	5	5	
Jiddah	Dec. 12-Jan. 15	6	6	Feb. 3, still present.
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	Dec. 1-15		29	Imported.
Arabia:				
Aden	Nov. 25-Jan. 4		47	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1		
Austria:				
Galicia	Dec. 20-Jan. 9	6		
Silesia	Jan. 3-9	1		
Brazil:				
Bahia	Nov. 15-Jan. 2	182	14	
Pernambuco	Nov. 1-Dec. 31		62	
Rio de Janeiro	Nov. 16-Dec. 27	971	480	
Santos	Nov. 1-Dec. 6		9	
São Paulo	Nov. 1-Dec. 13		24	
Canada:				
British Columbia—				
Vancouver	Dec. 1-31	1		
Victoria	Dec. 12	25	4	
Manitoba—				
Winnipeg	Dec. 20-Jan. 11	5		
Ontario, province, general	Dec. 1-31	118		
Hamilton	Jan. 17-23	1		
Toronto	Nov. 8-28	7		
Nova Scotia—				
Halifax	Dec. 13-Jan. 30	15		
Yarmouth	Dec. 1-Jan. 31	6		
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Ceylon:				
Colombo	Nov. 1-21	62	13	
Chile:				
Talcaguana	Nov. 20-Jan. 2			Present in vicinity.
Valparaiso	Dec. 6-12	1		
China:				
Amoy	Oct. 11-Nov. 8		2	Dec. 19, still present.
Shanghai	Nov. 11-Jan. 4	3	1	2 cases Nov. 11-Dec. 12 from U. S. transport Seward.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Cuba:				
Habana	Dec. 26–Jan. 19	3		Case Dec. 26 on s. s. Floride; case Jan. 19 on s. s. Alfonso XIII.
Egypt, general	Nov. 12–Dec. 31	349	81	
Alexandria	Nov. 26–Dec. 31	2	3	
Cairo	Nov. 19–Jan. 7	64	35	
France:				
Marseille	Dec. 1–31		1	
Paris	Nov. 22–Jan. 16	22	1	
Germany, general	Nov. 19–Jan. 16	15		
Breslau	Dec. 20–26	1		
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22–Jan. 2		4	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–Jan. 23	4	2	
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths.
India:				
Bombay	Nov. 25–Jan. 12		24	
Calcutta	Nov. 1–Jan. 2		108	
Madras	Nov. 28–Dec. 4	1		
Rangoon	Nov. 22–Jan. 2		4	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–Dec. 26	7	5	
Italy, general	Nov. 30–Jan. 17	84		
Florence	Nov. 24–30	2		
Genoa	Dec. 1–15	1		
Naples	Dec. 7–Jan. 17	137	29	
Polcsella	Dec. 1			Epidemic.
Japan:				
Formosa	Nov. 29–Dec. 26	9		
Java:				
Batavia	Nov. 1–Dec. 26	24	2	
Malta	Nov. 22–28	1		On vessel.
Mexico:				
Acapulco	Jan. 11–17	6		
Guadalajara	Jan. 7–21	3		
Mexico City	Nov. 8–Dec. 26		37	
Monterey	Jan. 4–17	1	1	
Salina Cruz	Jan. 1–15	5		
Veracruz	Dec. 13–Jan. 9	3	2	
Yucatan (Camp Mengel)	Dec. 21	1		
Moluccas Islands	Dec. 12			Present.
Netherlands, The:				
Rotterdam	Jan. 10–16	1		
Newfoundland:				
St. Johns	Jan. 10–23	4		From s. s. Portia.
Norway:				
Christiania	Nov. 22–28	1	1	
Persia:				
Hamadan	Oct. 2–8			Present.
Tabriz	Oct. 2–8			Do.
Teheran	Sept. 18–Oct. 28		10	
Peru:				
Lima	Nov. 22–Dec. 10	4		Dec. 19, 3 cases in the Lazaretto.
Salaverry	Nov. 19–25		1	
Philippine Islands:				
Manila	Nov. 1–Dec. 12	5	2	Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20–Jan. 2	2		
Portugal:				
Lisbon	Nov. 30–Jan. 12	12		
Russia:				
Moscow	Nov. 29–Jan. 16	128	49	
Odessa	Jan. 3–9	7		
Riga	Nov. 29–Dec. 19	4		
St. Petersburg	Nov. 15–Jan. 9	45	16	
Warsaw	Nov. 1–Dec. 12		14	
Servia:				
Belgrade	Dec. 6–12	2		
Siam:				
Bangkok	Nov. 1–30			Present.
Siberia:				
Vladivostok	Dec. 14–20	1		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Spain:				
Barcelona	Dec. 6–Jan. 16		13	
Cartagena	July 1–31		15	
Madrid	Nov. 1–30		9	
Valencia	Nov. 29–Jan. 23	25	3	
Vigo	Nov. 30–Jan. 16		6	
Turkey in Asia:				
Adalia	Sept. 24–27		2	
Smyrna	Oct. 7–Dec. 31		53	Jan. 5, epidemic.
Turkey in Europe:				
Constantinople	Dec. 7–Jan. 24		43	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Jan. 16	178,210	66								2	1	3	4
Acapulco	Jan. 10	5,000	7											
Aden	Dec. 28	43,794	36	3				2						
Do	Jan. 4	43,794	52	6				3					1	
Aguascalientes	Jan. 17	40,000	47	2					1			2		2
Do	Jan. 24	40,000	50	3					1					4
Aix la Chapelle	Jan. 2	158,764	64	7								2	1	2
Alexandria	Dec. 23	383,934	189	25										
Antwerp	Jan. 9	312,571	107	7							1			
Asuncion	Dec. 19	75,000	18	2						1				
Athens	Jan. 9	241,058	95	22					1					
Bagdad	Dec. 19	200,000			2									
Do	Dec. 26	200,000			1									
Baracoa	Jan. 16	27,000	5											
Barmen	Jan. 2	161,000	38	3							1	2		
Do	Jan. 9	161,000	60	8									3	
Barronquilla	...do	40,000	14											
Basel	...do	131,000	45	7							1			
Batavia	Dec. 19	191,000							1					
Belfast	Jan. 16	386,576	143	22									3	1
Belize	Jan. 21	9,113	6											
Do	Jan. 28	9,113	5											
Bergen	Jan. 9	87,749	29								15	35		
Do	Jan. 16	87,749	26	5						1	1	6		
Birmingham	...do	558,336	177								1	1	15	2
Bluefields	Jan. 16	2,500	4											
Bombay	Jan. 5	977,822	626	54	7	7		3		1			2	
Bordeaux	Jan. 16	253,000	146	7									1	1
Bremen	Jan. 9	233,907	87	14								1	4	
Bristol	Jan. 16	377,642	106							1		3		1
Cairo	Dec. 31	692,657	417	35				7	4	2		6		
Calcutta	Dec. 19	847,796	501	30	9	8		16					1	
Cardiff	Jan. 9	195,303	60	2						1				1
Do	Jan. 16	195,303	44											
Chemnitz	Jan. 2	271,767	86	8						1				
Do	Jan. 9	271,767	102	11						1	1	5	1	2
Coburg	Dec. 26	23,498	11	3								1		
Do	Dec. 31	23,498	4											
Do	Jan. 9	23,498	6											
Cognac	Jan. 16	19,483	5	1										
Cologne	Dec. 19	464,907	137	20							2	3	2	2
Do	Dec. 26	464,907	137	22							3	3	2	5
Do	Jan. 2	464,907	171	19							1	8	6	6
Do	Jan. 9	464,907	164	21						1	3	3	8	5
Colombo	Nov. 28	180,262	148	14		4		1		11				
Do	Dec. 5	180,262	167	19		1		7		10			1	
Copenhagen	Jan. 2	447,000	142	21						1	3	1	1	4
Dalny	Dec. 26	36,070	12	2										
Dresden	Jan. 2	545,200	165	13						1		8		4
Do	Jan. 9	545,200	158	21							3	6		3

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Dublin	Jan. 9	394,525	190	29						5		1	9	
Do	Jan. 16	394,525	191	25								1	8	2
Durban	Dec. 26	60,972	8	2										
Edinburgh	Jan. 16	355,366	109	8							1			2
Erfurt	Dec. 19	107,445	29	2								4		
Do	Dec. 26	107,415	19	1								1		
Fort de France	Jan. 9	27,069	22											
Frankfort-on-the-Main	Dec. 29	359,000	100									1	4	3
Do	Jan. 2	359,000	101									2	3	2
Do	Jan. 9	359,000	100	7							1	2	2	2
Frontera	Jan. 16	9,000	5											
Georgetown	Dec. 26	56,000	35	5						1				
Do.a	Jan. 2	56,000	113	12										
Do	Jan. 9	56,000	25	4						1				
Ghent	...do	165,105	72	6								1	2	
Gibralter	Jan. 17	26,830	8											
Glasgow	Jan. 22	872,021	295							2	2	6		27
Gothenburg	Jan. 2	162,200	36	3								1		2
Guadalajara	Jan. 21	125,000	102					2						
Guayaquil	Jan. 9	75,000	50	11	2		2							
Hamburg	Jan. 16	872,252	266	26						1	3	2	1	2
Hamilton, Bermuda	Jan. 25	20,206	5											
Hilo, Hawaii	Jan. 9	3,500	2											
Honolulu, Hawaii	...do	39,306	15	2										
Hull	Jan. 16	275,552	90									3	8	1
Kobe	Dec. 19	363,593	191							1		2		
Do	Dec. 26	363,593	147							2				
Königsberg	Jan. 2	237,600	76	9										1
Do	Jan. 9	237,600	97	13								1		1
Leeds	Jan. 16	428,968	150	11						2		5	4	4
Leipzig	Jan. 9	537,686	184	24						1	5	2	3	3
Leith	Jan. 16	85,721	20	5										
Liege	Jan. 9	175,471	46	3								1		
Liverpool	Jan. 16	760,357	274	23							7	3	6	6
London	...do	4,833,938	1,563	128						8	11	14	79	8
Lyons	Jan. 2	472,114	161	32							1	3		
Madras	Dec. 25	509,346	376										3	
Do	Jan. 1	509,346	325										1	
Manchester	Jan. 16	655,435	253	22						6	6	3	16	2
Mannheim	Dec. 26	181,209	40	6										1
Do	Jan. 2	181,209	37	3										2
Matamoros	Jan. 23	8,000	2											
Mexico	Dec. 12	400,000	476	35				5	25	1	33	9		3
Moncton, N. B.	Jan. 25	13,500	2											
Monrovia	Dec. 19	7,000	3											
Do	Dec. 26	7,000	5											
Monterey	Jan. 24	100,000	46	3						1			1	
Moscow	Jan. 2	1,335,104	756	100				5	5	2	15	9	12	6
Munich	Dec. 19	556,000	215	21							7	4	5	1
Do	Dec. 26	556,000	213	34							6	4	5	1
Do	Jan. 9	556,000	182	30							1	1	4	2
Nagasaki	Dec. 27	173,118	38							1		1		
Nantes	Jan. 17	161,908	79	16						2				
Newcastle on Tyne	Jan. 16	281,584	102							3	1		2	2
Niuchwang	Dec. 26	60,000	4											
Nottingham	Jan. 9	260,000	100									2	4	3
Nuevo Laredo	Jan. 23	8,000	3	1										
Nuremberg	Dec. 19	311,650	84	11							4		5	2
Do	Dec. 26	311,650	92	15									2	3
Do	Jan. 2	311,650	97	13							2			
Odessa	Jan. 9	467,000	182	28					1	4	8	6		3
Ottawa	Jan. 16	80,200	24									1		
Do	Jan. 23	80,200	17											
Paris	Jan. 16	2,776,397	1,127	190						5	4	6	2	2
Penang	Dec. 19	101,469	84	17						1				
Do	Dec. 26	101,469	81	16						1				
Plymouth	Jan. 16	122,113	46							1		1		
Port Elizabeth	Jan. 2	32,959	21	2						1				1
Prague	Dec. 19	229,577	130	26						4	2	2		1
Do	Dec. 26	229,777	92	14						1	2	1		

a Total number of deaths include those from the public hospital for the preceding three weeks.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Progreso, Mexico	Jan. 2	5,000	5											1
Do	Jan. 9	5,000	6											
Do	Jan. 16	5,000	2											
Quebec	Jan. 23	75,000										1		
Queenstown	Jan. 16	7,684	4										1	
Rangoon	Dec. 26	252,155	175	4	3	1								
Saigon	Dec. 5	208,000			2			4						
St. John, N. B	Jan. 23	40,711	15	1										
St. Petersburg	Dec. 26	1,678,000	774	149		47		3		15	25	16	5	9
San Feliu de Guixols	Jan. 16	11,094	6											
Santa Cruz de Teneriffe	Jan. 9	46,000	17	2										
Santiago de Cuba	Jan. 23	45,497	18	1										
Sheffield	Jan. 9	440,000	171	19						1	1	3	10	
Do	Jan. 16	440,000	129	11							1	2	9	1
Singapore	Dec. 12	260,000	256	33		11				1				
South Shields	Jan. 16	117,627	39	6							2	2		1
Stockholm	Dec. 26	337,460	72	8							3	2		
Do	Jan. 2	337,460	120	28							7			
Sunderland	Jan. 16	159,137	80	4						2		1	8	
Tientsin	Dec. 26	1,000,000	3	1										
Turin	Jan. 10	381,439	137	21								1	1	
Victoria, B. C	Jan. 23	30,000	5	2										
West Hartlepool	Jan. 16	66,750	20											
Winnipeg	Jan. 23	118,000	20							1				
Yokohama	Jan. 4	378,884								2	1	1		
Zurich	Jan. 16	180,000	53	7								2		1

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

AN EXPERIMENTAL INVESTIGATION OF THE BITING OF MAN BY FLEAS TAKEN FROM RATS AND SQUIRRELS.

By Passed Asst. Surg. GEORGE W. MCCOY, U. S. Public Health and Marine-Hospital Service, and MAURICE B. MITZMAIN, Technical Assistant Plague Laboratory, San Francisco, Cal.

The work of the Indian Plague Commission (Journal of Hygiene, Vol. VI, No. 4; Vol. VII, No. 3; Vol. VII, No. 6; Vol. VIII, No. 2) seems to have established beyond question that plague may be, and generally is, conveyed from rat to rat, and from rat to man, by fleas. The commission especially implicates the *Loemopsylla cheopis* (Roth.), the common rat flea of India, though it has shown that *Ceratophyllus fasciatus* (Bosc.) also is capable of conveying the infection.

The important rôle assigned to fleas in the spread of the disease makes it desirable to have accurate information as to whether certain species of fleas will bite man under experimental conditions.

This investigation of the subject was undertaken at the suggestion of Passed Asst. Surg. Rupert Blue, in charge of antiplague operations in San Francisco and vicinity, to whom we are indebted for facilities for carrying out the experiments.

The following brief review of the subject is taken almost entirely from papers in the Journal of Hygiene (Vol. VI, No. 4; Vol. VII, No. 3; Vol. VIII, No. 2):

In 1900 Galli Valerio (Centralbl. f. Bakt. Pt. 1, Vol. XXVII, p. 1) criticised the views of Simond, and Gauthier and Raybaud concerning the importance of fleas in the epidemic spread of plague purely on the ground that the rat fleas, *Ceratophyllus fasciatus*, Bosc., and *Ctenopsyllus musculi*, Duges, commonly found on rats in Europe, do not bite man. Gauthier and Raybaud (1902, Compt. Rend. Heb. de la Soc. de Bioll., IV, p. 1497; 1903, Révue d'Hygiene, XXV, p. 426) assert that 14 out of 16 fleas—identified by Rothschild as *L.* (*Pulex*) *cheopis*—taken from rats, bite men; and that furthermore some lived for several weeks feeding upon man's blood alone. Tidswell (1903, Report on the Second Outbreak of Plague in Sydney, p. 71) states that *P. pallidus* readily bites men when hungry and *C. fasciatus* occasionally. Tiraboschi (1903, Arch. f. Hygiene, Vol. XLVI, p. 251; 1904, Arch. d. Parasitol, Vol. VIII, p. 161) found the common flea upon rats in Italy to be *P. murinus*. He satisfied himself by numerous trials that this species, synonymous with *P. cheopis*, readily bites man. Verjbitski

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(1904, Doctorate Thesis to the University of St. Petersburg, Journal of Hygiene, Vol. VIII, No. 2), in a highly important and brilliant contribution, concludes from a series of 40 experiments that rat fleas will not bite man. Doctor Verjbitski starved the fleas from 10 to 40 hours. The species used in his experiments was *C. musculi*, the common rat flea of central Russia. Liston (1905, Journ. Bombay Nat. Hist. Soc., Vol. XVI, p. 253) records that out of a collection of 30 fleas caught biting the occupants of a native "chawl" in Bombay, 14 were rat fleas, identified by Rothschild as *L. cheopis*.

The British Indian Plague Commission (Journ. of Hyg., 1907, Vol. VII, No. 3, p. 473) states in a special article on the biting of man by rat fleas that it has observed that if the fleas in the cage are abundant and if the natural food supply is limited, *L. cheopis* will feed on a man's hand even in the presence of a rat. In a series of 5 experiments the British Indian investigators were able to keep *L. cheopis* alive for nearly 4 weeks on a diet of human blood exclusively. The fleas kept under similar conditions, but without food, never survived longer than one week. The commission concludes that the rat flea *P. cheopis* is attracted by man under certain circumstances, readily biting and feeding on him.

Baker states (1904, Proc. U. S. Nat. Mus., Vol. XXVII, p. 368) that the mouse, rat, squirrel, mole, and shrew fleas have never been known to bite the human being, and he knows of no record of capture of such specimens on human hosts. Baker (ibid.) relates, however, that he has personally experienced the bites of rabbit fleas. Wherry (Journal of Infectious Diseases, Vol. V, No. 5, Dec. 18, 1908) states that hunters are frequently bitten by squirrel fleas, and in the Public Health Reports (Vol. XXIII, No. 48, Nov. 27, 1908) is reported an experiment demonstrating that squirrel fleas (*Ceratophyllus acutus* and *Hoplopsyllus anomalus*) will bite man under certain conditions.

This discordance of opinion concerning the biting of man by fleas from rodents is probably due to the use of various species of insects by different observers and by the use of dissimilar technique. The faunal conditions on the Pacific coast as regards the prevalence of fleas found on rats contrast notably with those of Europe, India, or Australia. The rat fleas predominating in Europe appear to be *C. fasciatus* and *Ct. musculi*, *L. cheopis* being relatively scarce. In India, *L. cheopis* is the common rat flea, *C. fasciatus* being rather rare. Reports from Australia indicate the great predominance of *L. cheopis*. So far as the region about San Francisco Bay is concerned, *C. fasciatus* predominates at all seasons of the year. *L. cheopis* is the next important rat flea in numbers; indeed, at certain seasons this species is found to outnumber *C. fasciatus* in some parts of San Francisco. The experiments with *C. fasciatus* (Journal of Hygiene, July, 1907, p. 414) showed conclusively that this species can convey plague from infected to healthy animals. This fact made our work with this insect especially interesting and, we believe, important.

Technique.—Fleas were collected from rats that were anesthetized with ether. A provisional identification of the species and sex of the fleas was made with a hand lens while they were under the influence of the ether. Each flea was then placed in a separate test tube, where it was kept until the termination of the experiment. A final identification of each insect was made with the low power of the microscope. It may be of interest to state that in every case the provisional identification was verified by the microscopical examination. This is in accord with our experience in general, which has shown that any of the

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common rat fleas may be readily identified with a hand lens or even by the naked eye. The fleas in the test tubes were applied to the hand or forearm of a healthy man from time to time as is shown in the following tables. The light was sometimes partially excluded by surrounding the test tube with the hand, but this was found to make no material difference in the results. In the interval between feedings the insects were kept at ordinary room temperature. Other methods of conducting the experiments, such as thrusting the hand into a jar containing a large number of fleas, would have allowed the use of a much larger number of insects, but would not have permitted the accuracy of observation we have attempted to attain in the present work.

We think it is a matter of sufficient importance to deserve mention that in not one instance was a flea observed to eject blood or feces per anum during the act of feeding, even when the meal was prolonged to nearly an hour; rarely, however, a flea would deposit feces on the skin, but never while actually feeding. This appears to be contrary to the observations of the Indian Plague Commission (Journal of Hygiene, Vol. VII, No. 3) and other investigators. The Indian Commission states that Simond (1898 Ann. de l'Inst. Pasteur, Vol. XII, p. 625) records the fact that while sucking, fleas were in the habit of discharging the contents of their intestine upon the skin in the neighborhood of the puncture. Zirolia (1902), in an article entitled "Der Pestbacillus im Organismus der Flohe" (Centralbl. f. Bakteriol. Orig., Vol. XXXI, p. 686), confirms Simond's statement that fleas while sucking frequently discharge the contents of their intestine. Concerning this matter we again take the liberty of citing Journal of Hygiene, July, 1907, Volume VII, No. 3, page 398: "We have already drawn attention to the habit which the flea possesses of squirting bright-red blood from the anus during the operation of sucking." And again in the same number (p. 418): "The flea while sucking has a habit of squirting blood per anum."

As is well known, the mechanism of biting by a flea consists essentially of two distinct operations; first, the insertion of the pricker and the mandibles and the injection of salivary secretion; and second, the drawing of blood from the host. It is quite conceivable that the first part of the procedure may occur without the second, but in these experiments we have often observed the abdomen of the insect to become distended and red, proving conclusively that blood was being withdrawn from the host. We noted that a flea would feed more regularly when the host was quiet than when he moved about.

The well known fact that flea bites are much more irritant to some persons than to others was well demonstrated in these experiments. In one of the subjects only a very small reddish macule resulted, even after prolonged feeding; in another an elevated red macule about 1 cm. in diameter appeared within a few hours after the biting, and the next day a distinct reddish papule was present which persisted for a week or longer and gave rise to marked itching.

Another interesting point was that sometimes a flea would refuse to feed on one observer, but would feed at once when transferred to the other.

We have found by actual trial that a considerable percentage of both *L. cheopis* and *C. fasciatus*, with or without previous starvation, will attack man when given an opportunity to choose between man and a rat.

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Legend.—F, female; M, male; O indicates that the flea was not applied; +, fed less than 5 minutes; ++, fed vigorously more than 5 minutes; —, did not feed after 5 minutes' application; S, fed slightly; E, escaped; D, dead.

Rat fleas (ceratophyllus fasciatus).

[Fleas collected from *M. norvegicus*, November 16, 1908.]

Number of specimen	1.	2.	3.	4.
Sex	M.	F.	F.	F.
1908				
November 16	O.	O.	O.	O.
November 17 (2d day)	—	+ +	O.	+ +
November 18 (3d day)	—	+ +	+	+
November 19 (4th day)	D.	+	—	D.
November 21 (6th day)	.....	—	D.	.....
November 24 (9th day)	.....	D.	.....	.....

[Removed from host *M. norvegicus*, January 8, 1909.]

Number of specimen	1.	2.	3.
Sex	F.	M.	M.
Three hours after removal from host	S.	S.	S.
January 9	+ +	+	S.
January 13	D.	D.	D.

[Fleas removed from host *M. norvegicus* January 9, 1909.]

									Controls.			
Number of specimen	1.	2.	3.	4.	5.	6.	7.	8.	A.	B.	C.	D.
Sex	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.
4 hours after collecting	S.	—	+	+	O.	O.	O.	O.	O.	O.	O.	O.
Jan. 10 (2d day)	—	—	—	S.	O.	O.	O.	O.	O.	O.	O.	O.
Jan. 11 (3d day)	+	—	—	—	+	+	+	+	D.	O.	O.	D.
Jan. 12 (4th day)	—	S.	+ +	+ +	O.	O.	O.	O.	...	O.	O.	...
Jan. 13 (5th day)	+	S.	S.	+	+ +	+ +	+	+	...	D.	D.	...
Jan. 14 (6th day)	S.	S.	+	+	O.	O.	O.	O.	...	...	...	...
Jan. 15 (7th day)	S.	—	+	+	+	+ +	+ +	+ +	...	...	...	...
Jan. 17 (9th day)	+	+ +	+ +	+	+ +	+ +	+ +	S.	...	...	...	...
Jan. 19 (11th day)	+ +	+ +	+ +	+ +	O.	O.	O.	O.	...	...	...	...
Jan. 20 (12th day)	D.	—	E.	+ +	+	+ +	+ +	D.	...	...	...	...
Jan. 21 (13th day)	.....	+ +	.....	+ +	O.	O.	O.	.....	...	...	...	...
Jan. 23 (15th day)	.....	+ +	.....	+ +	+ +	+ +	+ +	.....	...	...	...	...
Jan. 24 (16th day)	.....	—	.....	+ +	+	+ +	+	.....	...	...	...	...
Jan. 25 (17th day)	.....	D.	.....	.....	.....	D.	.....	.....	...	...	...	...

[Fleas removed from host *M. norvegicus* December 22, 1908.]

Number of specimen	1.	2.	3.	4.	5.	6.	7.	8.	9.
Sex	F.	F.	M.	F.	F.	F.	M.	M.	M.
1 hour after removal from host	O.	O.	O.	—	—	+	+	+	—
1908.									
Dec. 23 (2d day)	O.	O.	O.	—	S.	S.	S.	+	+
Dec. 25 (4th day)	+	S.	S.	+	+	+	+	S.	—
Dec. 26 (5th day)	—	S.	+	+	S.	+	+	D.	—
Dec. 27 (6th day)	S.	—	S.	+	+	+	S.	.....	+
Dec. 28 (7th day)	S.	+ +	S.	S.	+	+ +	+ +	.....	+ +
Dec. 29 (8th day)	+ +	+ +	+	+ +	+	+ +	+	.....	+ +
Dec. 31 (10th day)	S.	+	S.	+ +	+	+ +	+ +	.....	+
1909.									
Jan. 2 (12th day)	+	+	+	+	E.	+	+	.....	S.
Jan. 5 (15th day)	S.	+	E.	+	.....	+	+ +	.....	D.
Jan. 7 (17th day)	+	+	.....	—	.....	D.	D.	.....	.....
Jan. 9 (19th day)	+	+	.....	+	.....	.....	.....	.....	.....
Jan. 13 (23d day)	+ +	+ +	.....	+ +	.....	.....	.....	.....	.....
Jan. 14 (24th day)	S.	+ +	.....	+	.....	.....	.....	.....	.....
Jan. 15 (25th day)	S.	+ +	.....	+ +	.....	.....	.....	.....	.....
Jan. 17 (27th day)	+	+	.....	+ +	.....	.....	.....	.....	.....
Jan. 18 (28th day)	+	+	.....	+	.....	.....	.....	.....	.....
Jan. 19 (29th day)	+	+	.....	+ +	.....	.....	.....	.....	.....
Jan. 20 (30th day)	+	S.	.....	+	.....	.....	.....	.....	.....
Jan. 21 (31st day)	S.	+	.....	+	.....	.....	.....	.....	.....
Jan. 23 (33d day)	+ +	+ +	.....	+ +	.....	.....	.....	.....	.....
Jan. 24 (34th day)	+	+ +	.....	+	.....	.....	.....	.....	.....
Jan. 25 (35th day)	+ +	+	.....	+ +	.....	.....	.....	.....	.....

Four controls unfed (1 F., 3 M.) were found dead on December 27.

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On account of the prevalence of *C. fasciatus* on rats in this vicinity we attach special importance to the experiments conducted with this species. The table demonstrates that this flea, which is taxonomically not at all closely related to the ordinary flea found on man (*Pulex irritans*), will feed readily on man and may be kept alive for as many as 35 days on man's blood alone; controls (unfed) all dying within 5 days. In one experiment 3 out of 6 fed on man when applied one hour after removal from the rat.

Loemopsylla cheopis.

[Fleas collected from *M. norvegicus* on November 16, 1908.]

Number of specimen	1.	2.	3.	4.
Sex	M.	M.	M.	F.
Nov. 17 (2d day)	—	—	O.	S.
Nov. 18 (3d day)	+	+ +	S.	S.
Nov. 19 (4th day)	—	+ +	+	—
Nov. 21 (6th day)	—	—	D.	D.
Nov. 24 (9th day)	D.	D.	.....	.....

[Removed from *M. norvegicus* December 31, 1908.]

									Controls.						
Number of specimens	1.	2.	3.	4.	5.	6.	7.	8.	A.	B.	C.	D.	E.	F.	G.
Sex	M.	F.	M.	M.	M.	M.	M.	F.	M.	F.	F.	M.	F.	M.	F.
1909.															
Jan. 1 (2d day)	—	—	+		—	S.	S.	S.	O.	O.	O.	O.	O.	O.	O.
Jan. 2 (3d day)	+	—	+ +	—	—	S.	S.	—	D.	O.	O.	D.	O.	O.	...
Jan. 4 (5th day)	+ +	—	+	+	S.	+	D.	—	D.	D.	D.	D.	O.	D.	D.
Jan. 6 (7th day)	+	+ +	+	+ +	+ +	+ +	...	+	...	...	...	...	D.	...	...
Jan. 7 (8th day)	—	—	+	S.	+	S.	...	+	...	...	...	...	...	...	...
Jan. 8 (9th day)	—	—	+	S.	S.	—	...	—	...	...	...	...	...	...	...
Jan. 9 (10th day)	+	S.	S.	+	+	+ +	...	S.	...	...	...	...	...	...	...
Jan. 11 (12th day)	+	+ +	D.	+	S.	+ +	...	+ +	...	...	...	...	...	...	...
Jan. 14 (15th day)	S.	S.	.....	E.	D.	D.	...	+ +	...	...	...	...	...	...	...
Jan. 15 (16th day)	E.	+ +	.....	.....	.....	.....	...	+	...	...	...	...	...	...	...
Jan. 17 (18th day)	.....	+ +	.....	.....	.....	.....	...	—	...	...	...	...	...	...	...
Jan. 19 (20th day)	.....	S.	.....	.....	.....	.....	...	+ +	...	...	...	...	...	...	...
Jan. 20 (21st day)	.....	+ +	.....	.....	.....	.....	...	S.	...	...	...	...	...	...	...
Jan. 21 (22d day)	.....	S.	.....	.....	.....	.....	...	—	...	...	...	...	...	...	...
Jan. 23 (24th day)	.....	S.	.....	.....	.....	.....	...	+ +	...	...	...	...	...	...	...
Jan. 24 (25th day)	.....	S.	.....	.....	.....	.....	...	+ +	...	...	...	...	...	...	...

Our experiments confirm the experience of the Indian plague commission that *L. cheopis* feeds readily on man and that it may be kept alive for many days on human blood alone.

Ctenopsyllus musculi.

[Removed from host *M. rattus* January 14, 1909.]

Number of specimen	1.	2.	3.	4.	5.
Sex	F.	F.	F.	M.	F.
1 hour after removal from host	—	—	—	—	S.
Jan. 15 (2d day)	+ +	D.	S.	D.	S.
Jan. 16 (3d day)	S.	.....	D.	.....	D.
Jan. 17 (4th day)	D.	.....	.....	.....	.....

[Removed from host *M. norvegicus*, January 19, 1909.]

Number of specimen	1.	2.
Sex	F.	M.
6 hours after removal from host	+	+
Jan. 20 (2d day)	D.	D.

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Ctenopsyllus musculi—Continued.

[Removed from host *M. norvegicus*, January 18, 1909.]

									Controls.		
Number of specimen	1.	2.	3.	4.	5.	6.	7.	8.	A.	B.	C.
Sex	F.	F.	M.	M.	M.	F.	M.	M.	F.	F.	F.
5 hours after removal from host	—	S.	+	S.	—	+	S.	—	O.	O.	O.
Jan. 19 (2d day)	+ +	+ +	+ +	D.	S.	D.	—	+	D.	D.	D.
Jan. 20 (3d day)	+ +	+	D.	...	D.	...	D.	D.	...	...	...
Jan. 21 (4th day)	+ +	D.	...	...	...	...	...	...	...	...	...
Jan. 22 (5th day)	D.	...	...	...	...	...	...	...	...	...	...

The experiments with *Ct. musculi* have not been as extensive as we wished to make them, because we have found it difficult to procure this species of flea alive, as they are relatively scarce in San Francisco. The table demonstrates that some of these fleas will bite man soon after taken from their normal host, and a considerable percentage of those that survived fed readily on man on the second and third days after their removal from the rat.

Squirrel fleas (*Hoplopsyllus anomalus*, *Ceratophyllus acutus*).

[Removed from *host Citellus beecheyi*, December 28, 1908.—1, 2, 3, A, *H. anomalus;* 4, 5, 6, 7, 8, B, C, *C. acutus.*]

									Controls.		
Number of specimen	1.	2.	3.	4.	5.	6.	7.	8.	A.	B.	C.
Sex	F.	F.	M.	F.	F.	M.	M.	F.	M.	F.	M.
Dec. 28 (1st day)	S.	—	+	S.	S.	+	—	+	O.	O.	O.
Dec. 29 (2d day)	+	—	+ +	+ +	+	+ +	S.	+ +	O.	O.	D.
Dec. 31 (4th day)	+	S.	+	+	D.	+	S.	+	D.	O.	....
Jan. 1 (5th day)	+	S.	+	D.	....	+ +	+	+	....	D.	....
Jan. 2 (6th day)	+	+ +	+ +	...	....	+	+	+	....	....	....
Jan. 4 (8th day)	D.	+ +	+ +	...	....	+	+	+	....	....	....
Jan. 7 (11th day)	....	D.	D.	...	....	D.	D.	+ +	....	....	....
Jan. 10 (14th day)	....	...	...	...	....	...	....	+	....	....	....
Jan. 13 (17th day)	....	...	...	...	....	...	....	+ +	....	....	....
Jan. 14 (18th day)	....	...	...	...	....	...	....	+ +	....	....	....
Jan. 16 (20th day)	....	...	...	...	....	...	....	+ +	....	....	....
Jan. 17 (21st day)	....	...	...	...	....	...	....	+ +	....	....	....
Jan. 18 (22d day)	....	...	...	...	....	...	....	S.	....	....	....
Jan. 20 (24th day)	....	...	...	...	....	...	....	+ +	....	....	....
Jan. 21 (25th day)	....	...	...	...	....	...	....	+	....	....	....
Jan. 22 (26th day)	....	...	...	...	....	...	....	+ +	....	....	....
Jan. 23 (27th day)	....	...	...	...	....	...	....	+ +	....	....	....
Jan. 24 (28th day)	....	...	...	...	....	...	....	+ +	....	....	...

The one experiment with the common ground squirrel fleas of California shows that these insects bite man readily, and that they may be kept alive on man's blood for at least 28 days.

Summary.—A large majority of the two common species of fleas found on rats in San Francisco, *Loemopsylla cheopis* (Roth) and *Ceratophyllus fasciatus* (Bosc), will bite man under the conditions of these experiments. *Ceratophyllus fasciatus* usually feeds very vigorously on man's blood, and it was kept alive on this diet for 35 days.

Most of the *Ctenopsyllus musculi* died early in captivity, but it is shown that they will at times bite man.

Squirrel fleas, *H. anomalus* and *C. acutus*, feed readily on man's blood.

Starvation does not appear to play any very important rôle in determining whether a flea will bite or not. Some of these tables give the impression that the fleas become accustomed to the blood of a new host.

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Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended February 6, 1909.

Sick inspected	1
Plague	0
Dead inspected	108
Plague	0
Necropsy held	1
Premises inspected	7,242
Houses disinfected	11
Buildings condemned	7
Nuisances abated	510
Rats found dead	38
Rats trapped	1,627
Total rats taken	1,665
Rats identified:	
Mus norvegicus	1,106
Mus rattus	40
Mus musculus	495
Total	1,641
Rats identified as to sex	1,114
Male	518
Female	596
Rats examined bacteriologically	946
Plague rats	0
Squirrels caught	1
Squirrels examined bacteriologically	1
Plague squirrels	0
Poisons placed	63,913

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended February 6, 1909.

Dead inspected	18
Plague	0
Necropsy held	1
Premises cleaned	159
Garbage cans installed	241
Places made rat proof	3
Rats found dead	24
Rats trapped	510
Total rats taken	534

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Rats identified:	
Mus alexandrinus	2
Mus rattus	8
Mus norvegicus	524
Mus musculus	48
Total	582
Mice trapped	48
Rats examined bacteriologically	534
Plague rats	0
Mice examined bacteriologically	48
Plague mice	0
Poisons placed	10,919

POINT RICHMOND, CAL.

Week ended February 6.

Sick inspected	2
Plague	0
Premises inspected	490
Nuisances abated	25
Rats found dead	14
Rats trapped	26
Total rats taken	40
Rats examined bacteriologically	28
Plague rats	0
Poisons placed	14,000

ALAMEDA COUNTY, CAL.

Week ended February 6.

Sick inspected	8
Plague	0
Dead inspected	49
Plague	0
Necropsy held	1

CONTRA COSTA COUNTY, CAL.

Week ended February 6.

Dead inspected	1
Plague	0
Necropsy held	1
Squirrels shot and found dead	11
Squirrels trapped	10
Total squirrels taken	21
Squirrels examined bacteriologically	21
Plague squirrels	0
Ranches inspected	47
Ranches found free of squirrels	5
Ranches poisoning squirrels	2

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Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson, plague laboratory, reports, February 6:

Animals examined in the laboratory in this city from January 25 to 31, 1909, inclusive.

Ground squirrels	117
Gray rats	200
Black rats	14
Gambel pocket mice	5
White rat	1
Rabbit	1

None of these animals was found to be infected with plague.

Reports from Seattle, Wash.—Plague-prevention work

Passed Assistant Surgeon Glover reports, February 1:

SEATTLE, WASH.

Date of finding of last plague rat	September 26, 1908.
Plague-infected rats to date	21

Week ended January 30.

Rats received	1,073
Rats necropsied	1,114
Plague rats	0
Vessels inspected	16
Vessels fumigated	3

Summary of inspection and fumigation of vessels, month of January, 1909.

During the month of January there were inspected 57 vessels. Ten vessels were fumigated.

Report of plague laboratory work at Seattle, month of January, 1909.

Assistant Surgeon Chapin reports, February 3, through Passed Assistant Surgeon Glover:

During the month 3,248 rats were delivered at the laboratory and 3,244 were necropsied. No plague rats were found. One hundred and twenty-one fleas were found upon 42 rats examined.

The last plague rat was found September 26, 1908.

Report from Cairo, Ill.—Smallpox—Quarantine of nonvaccinated persons.

Passed Assistant Surgeon Wilson reports, February 9:

During the week ended February 6, 57 new cases of smallpox were reported at Cairo.

The town of Paducah, Ky., has imposed a quarantine against nonvaccinated persons and persons exposed to the disease coming from Cairo.

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STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*City and County of San Francisco.*—Month of December, 1908. Estimated population, 425,000. Total number of deaths, 528, including enteric fever 4, scarlet fever 5, whooping cough 2, diphtheria 5, measles 1, and 72 from tuberculosis.

COLORADO—*Colorado Springs.*—Month of December, 1908. Estimated population, 32,000. Total number of deaths, 27, including 13 from tuberculosis. Cases: Scarlet fever 16, measles 1, and enteric fever 1.

FLORIDA—*Pensacola.*—Month of January, 1909. Estimated population, 30,000. Total number of deaths, 38, including enteric fever 1, and 2 from tuberculosis.

GEORGIA—*Macon.*—Month of January, 1909. Estimated population, 39,000. Total number of deaths, 26, including 8 from tuberculosis. Cases: Whooping cough 9, enteric fever 1, and measles 1.

ILLINOIS—*Alton.*—Month of January, 1909. Estimated population, 22,000. Total number of deaths, 16, incuding 4 from tuberculosis. Cases: Diphtheria 1.

Quincy.—Month of January, 1909. Estimated population, 43,000. Total number of deaths, 47, including diphtheria 1, and 4 from tuberculosis. Cases: Diphtheria 23, and scarlet fever 5.

INDIANA—*Jeffersonville.*—Month of January, 1909. Estimated population, 12,000. Total number of deaths 16, including diphtheria 2, and 4 from tuberculosis. Cases: Diphtheria 4, tuberculosis 4, enteric fever 2, and measles 2.

Muncie.—Month of January, 1909. Estimated population, 34,036. Total number of deaths 23, including enteric fever 1, diphtheria 1, and 2 from tuberculosis. Cases: Measles 1, scarlet fever 2, and diphtheria 6.

IOWA—*Burlington.*—Month of December, 1908. Estimated population, 30,000. Total number of deaths, 15, including 2 from tuberculosis. Cases: Enteric fever 2, scarlet fever 3, diphtheria 3, measles 2, and tuberculosis 1.

Month of January, 1909. Total number of deaths, 17. Cause of death not reported. Cases: Smallpox 1, enteric fever 1, diphtheria 3.

Cedar Rapids.—Month of January, 1909. Estimated population, 35,000. Total number of deaths, 35, including enteric fever 1, and 5 from tuberculosis. Cases: Scarlet fever 8, and diphtheria 1.

MARYLAND—*Hagerstown.*—Month of January, 1909. Estimated population, 13,591. Total number of deaths 66, including enteric fever 1, diphtheria 1, and 5 from tuberculosis. Cases: Enteric fever 5, scarlet fever 1, diphtheria 5, and measles 22.

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MASSACHUSETTS.—Reports from the state board of health for the month of December, 1908. Fifty-two cities and towns reporting, having an aggregate estimated population of 2,333,259, report 2,756 deaths, including diphtheria 65, enteric fever 18, measles 18, and 221 from phthisis pulmonalis. Cases: Diphtheria 1,025, enteric fever 200, measles 720, scarlet fever 723, whooping cough 259, and phthisis pulmonalis 452.

Lawrence.—Six months ended December 31, 1908. Estimated population 78,000. Total number of deaths 661, including diphtheria 18, enteric fever 10, smallpox 1, measles 3, and 16 from tuberculosis. Cases: Diphtheria 134, scarlet fever 25, measles 214, enteric fever 78, smallpox 1, whooping cough 14, and tuberculosis 22.

Newton.—Month of January, 1909. Estimated population, 38,919. Total number of deaths, 31, including diphtheria 2 and 1 from tuberculosis. Cases of contagious diseases reported: Diphtheria 10, enteric fever 1, scarlet fever 14, and tuberculosis 3.

MINNESOTA—*St. Paul.*—Month of December, 1908. Estimated population, 220,000. Total number of deaths reported to the department of health, 294, including diphtheria 12, enteric fever 8, scarlet fever 5, and 21 from tuberculosis. Cases: Diphtheria 183, scarlet fever 62, measles 2, and smallpox 54.

NEW HAMPSHIRE—*Concord.*—Month of January, 1909. Estimated population, 20,000. Total number of deaths, 41, including 3 from tuberculosis. Cases: Diphtheria 5, enteric fever 2, measles 1, and tuberculosis 3.

NEW JERSEY—*Perth Amboy.*—Period from June 6 to July 25, 1908. Estimated population, 28,000. Total number of deaths, 74, including whooping cough 2, and 2 from tuberculosis. Cases: Diphtheria 6, scarlet fever 8, and measles 27.

NEW YORK—*Rome.*—Month of January, 1909. Estimated population, 18,500. Total number of deaths, 40, including 1 from tuberculosis. Cases: Smallpox 1, enteric fever 1, scarlet fever 1, diphtheria 2, and tuberculosis 5.

OHIO.—Reports to the state board of health for the 29 weeks ended January 2, 1909, show 1,495 cases of diphtheria with 132 deaths; 1,110 cases of enteric fever with 167 deaths; 588 cases of measles with 17 deaths; 1,176 cases of scarlet fever with 48 deaths; 391 cases of whooping cough with 16 deaths; and 525 cases of smallpox with 1 death. Population, 1,443,791. Number of localities reporting, 108.

Ashtabula. — Month of January, 1909. Estimated population, 18,000. Total number of deaths, 21. Cause of deaths not reported. Cases: Diphtheria 14 and scarlet fever 5.

Zanesville.—Month of January, 1909. Estimated population, 30,000. Total number of deaths, 40, including 2 from tuberculosis. Cases: Scarlet fever 4 and diphtheria 6.

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PENNSYLVANIA—*Altoona.*—Month of January, 1909. Estimated population, 60,000. Total number of deaths, 77, including 3 from tuberculosis.

South Bethlehem.—Month of January, 1909. Estimated population, 15,000. Total number of deaths, 23, including 1 from diphtheria. Cases: Enteric fever 3, scarlet fever 5, diphtheria 4, measles 2, and whooping cough 7.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to February 19, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Jan. 12–Feb. 6	7	.....	
Tuscaloosa County	Feb. 6–Dec. 31	86	.....	Year 1908.
Total for State	.....	93	.....	
Arkansas:				
Little Rock	Dec. 15–Jan. 2	23	.....	
Texarkana	Nov. 26–Jan. 11	10	.....	
Total for State	.....	33	.....	
California, general	Nov. 1–Dec. 31	.....	3	
Los Angeles	Dec. 6–Feb. 6	11	.....	
Oakland	Nov. 1–Dec. 31	6	.....	
Sacramento	Nov. 1–Dec. 31	24	.....	
San Francisco	Dec. 13–Jan. 30	17	.....	
Stockton	Nov. 1–30	12	.....	
Total for State	.....	70	3	
District of Columbia:				
Washington	Dec. 28–Jan. 30	2	.....	
Total for District	.....	2	.....	
Illinois:				
Belleville	Dec. 4–20	3	.....	
Browning	Oct. 25–Jan. 20	75	.....	
Cairo	Jan. 7–Feb. 6	157	.....	
Centralia	July 1–Jan. 20	53	.....	
Chicago	Jan. 3–Feb. 6	5	.....	
Danville	Jan. 11–24	2	.....	
Ladd	Nov. 1–30	4	.....	
Palmyra	Dec. 25–Jan. 20	4	.....	
Peoria	Dec. 20–Feb. 23	5	.....	
Scottsville	Dec. 25–Jan. 20	12	.....	
Taylorville	Aug. 1–Jan. 20	40	.....	
West Frankfort	Dec. 12–Feb. 13	15	.....	
Total for State	.....	375	.....	
Indiana:				
Allen County—				
Fort Wayne	Jan. 10–Feb. 6	4	.....	
Benton County	Nov. 1–30	1	.....	
Boone County	Nov. 1–30	1	.....	
Carroll County	Oct. 1–31	26	.....	
Clay County	Oct. 1–31	8	.....	
Dearborn County	Oct. 1–31	1	.....	
Elkhart County	Oct. 1–Nov. 30	7	.....	
Elkhart	Jan. 17–Feb. 6	4	.....	
Grant County—				
Union	Feb. 6	5	.....	
Hendricks County	Nov. 1–30	2	.....	
Madison County	Oct. 1–31	1	.....	
Anderson	Dec. 1–31	1	.....	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks
Indiana—Continued.				
Marion County—				
Indianapolis	Jan. 18–Feb. 7	4		
Sullivan County	Oct. 1–31	2		
Tippecanoe County	Oct. 1–Nov. 30	18		
Lafayette	Dec. 15–Feb. 8	50	1	
Tipton County	Nov. 1–30	1		
Vanderburg County				
Evansville	Jan. 10–Feb. 6	6		
Vigo County	Oct. 1–Nov. 30	6		
Wabash County	Nov. 1–30	3		
Wayne County	Nov. 1–30	8		
Total for State		159	1	
Iowa, general	July 1–Sept. 30		2	
Burlington	Jan. 1–31	1		
Council Bluffs	July 1–Dec. 31	19	2	
Dubuque	Oct. 1–Jan. 31	87	1	
Total for State		107	5	
Kansas:				
Atchison County—				
Atchison	Dec. 20–Jan. 16	2		
Barton County	Nov. 1–30	7		
Bourbon County	Nov. 1–30	1		
Brown County	Nov. 1–Dec. 31	45		
Crawford County—				
Pittsburg	Nov. 1–Dec. 31	107		
Franklin County	Dec. 1–31	1		
Harvey County	Nov. 1–Dec. 31	4		
Jackson County	Nov. 1–Dec. 31	95		
Jefferson County	Dec. 1–31	2		
Jewell County	Dec. 1–31	2		
Montgomery County	Nov. 1–Dec. 31	18		
Nemeha County	Dec. 1–31	2		
Phillips County	Dec. 1–31	2		
Pottawatomie County	Nov. 1–Dec. 31	36		
Pratt County	Dec. 1–31	20		
Reno County	Nov. 1–Dec. 31	3		
Riley County	Nov. 1–30	2		
Saline County	Nov. 1–Dec. 31	31		
Shawnee County	Nov. 1–Dec. 31	6		
Topeka	June 7–Jan. 30	50		
Sheridan County	Dec. 1–31	9		
Stafford County	Dec. 1–31	1		
Sumner County	Nov. 1–Dec. 31	7		
Wilson County	Nov. 1–30	5		
Wyandotte County—				
Kansas City	Jan. 3–23	3		
Total for State		461		
Kentucky:				
Anderson County	Oct. 1–Jan. 20	200	1	Including Lawrenceburg.
Covington	Dec. 29–Feb. 13	11		
Henderson		7		Jan. 1–June 30, 1908.
Lexington	Dec. 28–Feb. 6	25		
Newport	July 1–Jan. 31	20	1	Jan. 1–June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24–Feb. 6	17		
Total for State		280	2	
Louisiana:				
Arcadia Parish	Dec. 20–Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20–Feb. 6	17		
Shreveport	Jan. 1–20	32	1	
Total for State		79	1	
Maine:				
Cyr plantation	Oct. 16–24	11		
Frenchville	Nov. 11–Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16–Dec. 12	26		
St. Agatha	Oct. 24–Dec. 26	9		
St. David	Dec. 13–19	1		
Upper Frenchville	Oct. 25–Nov. 11	2		
Van Buren	Oct. 18–Feb. 6	94		
Total for State		145		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Maryland:				
Baltimore	Jan. 30–Feb. 6	1		
Total for State		1		
Massachusetts:				
New Bedford	Jan. 30–Feb. 6	1		
Taunton	Jan. 3–9	1		
Total for State		2		
Michigan:				
Barry County	Nov. 1–Dec. 31	5		
Cheboygan County	Dec. 1–31	4		
Delta County	Nov. 1–30	1		
Eaton County	Dec. 1–31	1		
Ingham County—				
Lansing	Nov. 1–Dec. 31	11		
Ionia County	Dec. 1–31	2		
Kalamazoo County	Dec. 1–31	3		
Kent County—				
Grand Rapids	Jan. 24–30	1		
Lapeer County	Dec. 1–31	2		
Macomb County	Nov. 1–30	1		
Manistee County	Nov. 1–30	2		
Menominee County	Dec. 1–31	1		
Muskegon County	Nov. 1–Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16–23	1		
St. Clair County	Nov. 1–Dec. 31	2		
Port Huron	Nov. 1–30–Dec. 5	3		
Wayne County—				
Detroit	Jan. 10–30	4		
Wexford County	Dec. 1–31	2		
		65		
Minnesota:				
Becker County	Dec. 7–13	1		
Benton County	Oct. 26–Nov. 2	1		
Brown County	Oct. 20–Nov. 23	11		
Carver County	Dec. 7–13	6		
Cass County	Oct. 12–Dec. 7	1		
Chippewa County	Nov. 3–9	1		
Cottonwood County	Oct. 20–26	1		
Dodge County	Nov. 24–Dec. 7	2		
Faribault County	Dec. 7–13	1		
Hennepin County	Oct. 6–12	1		
Minneapolis	Nov. 1–Dec. 31	21		
Hubbard County	Oct. 19–Dec. 7	11		
Jackson County	Dec. 7–13	1		
Lac qui Parle County	Nov. 2–Dec. 13	3		
Lyon County	Nov. 16–Dec. 13	2		
Morrison County	Nov. 20–Dec. 13	20		
Nicolett County	Nov. 16–Dec. 13	3		
Norman County	Dec. 7–13	5		
Pipestone County	Dec. 7–13	6		
Ramsey County	Nov. 16–Dec. 7	2		
St. Paul	Oct. 6–Dec. 13	57		
Renville County	Dec. 1–7	1		
St. Louis County				
Duluth	Nov. 9–Jan. 22	3		
Sibley County	Dec. 7–13	9		
Stearns County	Nov. 9–Dec. 7	4		
Steele County	Oct. 20–Dec. 7	4		
Stevens County	Nov. 9–Dec. 13	12		
Todd County	Nov. 9–Dec. 13	3		
Wabasha County	Nov. 2–Dec. 7	10		
Wadena County	Nov. 2–Dec. 13	15		
Saseka County	Oct. 26–Dec. 7	9		
Washington County	Nov. 24–30	1		
Stillwater	Dec. 1–31	3		
Winona County	Dec. 1–7	1		
Winona	Dec. 1–7	4		
Yellow Medicine County	Oct. 20–26	1		
Total for State		237		
Mississippi:				
De Soto County	Nov. 1–Dec. 22	135		
Total for State		135		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Missouri:				
Kansas City	Jan. 24–Feb. 6	3		
St. Joseph	Dec. 1–31	1		
St. Louis	Dec. 20–Feb. 6	9		
Springfield	Nov. 1–Dec. 31	2		
Total for State		15		
Montana:				
Cascade County	Nov. 1–30	4		
Flathead County	Nov. 1–30	1		
Gallatin County	Nov. 1–30	13		
Bozeman	Nov. 1–30	15		
Jefferson County	Nov. 1–30	4		
Ravalli County	Nov. 1–30	4		
Silverbow County	Nov. 1–30	5		
Butte	Dec. 2–Jan. 29	18		
Yellowstone County	Nov. 1–30	1		
Total for State		65		
Nebraska:				
Lincoln	Nov. 1–Dec. 31	5		
South Omaha	Dec. 20–Jan. 16	3		
Total for State		8		
New Hampshire:				
Hinsdale	Nov. 1–Dec. 15	6		
West Chesterfield	Nov. 1–Dec. 15	1		
Westmoreland	Nov. 1–Dec. 15	1		
Total for State		8		
New York, general	Nov. 1–30	55		
Rome	Jan. 1–31	1		
Syracuse	Jan. 9–31	3		
Total for State		59		
North Carolina:				
Bertie County	Nov. 1–30	1		
Catawba County	Nov. 1–Dec. 31	4		
Currituck County	Nov. 1–30	3		Present to Dec. 31.
Duplin County	Dec. 1–31	10		
Edgecombe County	Dec. 1–31	1		
Johnston County	Nov. 1–30	1		
Lenoir County	Dec. 1–31	20		
Lincoln County	Dec. 1–31	1		
Pasquotank County	Nov. 1–Dec. 31	29		
Wilmington	Jan. 22	1		Imported.
Total for State		71		
Ohio, general	June 14–Jan. 2	337		
Cincinnati	Dec. 12–Feb. 5	114	1	
Dayton	Jan. 24–Feb. 6	3		
Newark		3		Year 1908.
Tiffin	Jan. 3–23	2		
Total for State		459	1	
Oregon:				
Clackamas County	Sept. 1–30	1		
Harney County	Sept. 1–30	1		
Jackson County	Oct. 1–31	1		
Linn County	Sept. 1–Oct. 31	5		
Marion County	Sept. 1–Oct. 31	3		
Multnomah County—Portland	Nov. 1–Dec. 31	50		
Polk County	Sept. 1–Oct. 31	8		
Tillamook County	Oct. 1–31	1		
Umatilla County	Sept. 1–30	1		
Wallowa County	Oct. 1–31	1		
Washington County	Oct. 1–31	17		
Yamhill County	Sept. 1–30	7		
Total for State		96		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18–Jan. 20	3		
New Kingstown	Dec. 29			Present.

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Pennsylvania—Continued.				
Philadelphia	Dec. 19-25	1		
Pittsburg	Dec. 13-19	1		Imported.
Total for State		6		
Tennessee:				
Green County	Jan. 2	103		Including Greenville.
Knoxville	Dec. 28-Feb. 6	9		
Memphis	Jan. 18	1		Imported.
Nashville	Dec. 20-Feb. 13	18		
Polk County	Jan. 22	30		
Total for State		161		
Texas:				
Cost	Oct. 1-Dec. 19			Present.
Cotulla	Jan. 25			Do.
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Goliad County	Dec. 1-Jan. 20	25		
Laredo	Dec. 26-Feb. 3	3		
Monthalia	Oct. 1-Dec. 19			Present.
Oak Forest	Oct. 1-Dec. 19			Do.
San Antonio	Dec. 13-Feb. 6	44		
San Augustine County	Jan. 5			Do.
Total for State		340		
Utah:				
Davis County	Nov. 1-Dec. 31	20		
Garfield County	Dec. 1-31	9		
Salt Lake County	Dec. 1-Jan. 31	136		
Salt Lake City	Dec. 1-31	77		
Sanpete County	Dec. 1-31	1		
Summit County	Dec. 1-31	7		
Utah County	Dec. 1-31	1		
Weber County	Nov. 1-Dec. 31	2		
Total for State		253		
Vermont:				
Newfane	Jan. 11	8		And vicinity.
West Windsor, township	Jan. 23	2		
White River Junction	Jan. 4-Feb. 9	3		
Total for State		13		
Virginia:				
Lynchburg	Jan. 10-30	3		Imported.
Norfolk	Feb. 5	2		On tug E. W. Marts.
Total for State		5		
Washington:				
Seattle	Oct. 1-Jan. 31	15		
Spokane	Dec. 6-Jan. 30	7	1	
Tacoma	Dec. 14-Jan. 17	31		
Total for State		53	1	
West Virginia:				
Charleston	Jan. 1-31	1		
Weston	Jan. 15-Feb. 13	1		
Total for State		2		
Wisconsin:				
La Crosse	Dec. 13-Feb. 6	28		
Manitowoc	Dec. 13-Jan. 23	5		
Milwaukee	Dec. 6-Feb. 6	83		
Total for State		116		
Grand total for the United States		3,974	13	

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Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Feb. 6	38,973	14					3		2		1			
Baltimore, Md	...do	508,957	213	18	27	10	1	9		29	3	84	1	5	
Bayonne, N. J	...do	32,722				1		2		1		26			
Beaver Falls, Pa	...do	13,000				1		1							
Berkeley, Cal	Jan. 30	13,214	10	1		1		2		1		2			
Biddeford, Me	Feb. 6	16,145	9												
Binghamton, N.Y.	...do	38,647	15		2										2
Boston, Mass	...do	560,892	207	29	27	3	2	51	2	52	5	35		20	3
Braddock, Pa	...do	15,654	8					1		1				1	
Bradford, Pa	...do	15,029	7							1					
Brockton, Mass	...do	40,063	16	3	1	1		2				69		23	1
Butler, Pa	Jan. 7	10,853	4					2							
Do	Jan. 14	10,853	2							2					
Cambridge, Mass	Feb. 6	91,886	24	8	1			10		3		12		2	
Camden, N. J	...do	75,935	33					6		5	2	8	1		
Camden, S. C	...do	2,441								3					
Carbondale, Pa	...do	13,536	3							1					
Charlotte, N. C	Feb. 5	18,091	4	1		1		2							
Chelsea, Mass	Feb. 6	34,072	8	1	1			3							
Chicago, Ill	...do	1,698,575	592	139	78	35	6	175	12	154	10	136	2	12	1
Chicopee, Mass	...do	19,167	6	1		1		1		2		2			
Cincinnati, Ohio	Feb. 5	325,902	127	9	15	3	3	9		4	1			5	
Cleveland, Ohio	...do	381,768	128	28	14	3	1	21		23	2	14	1	39	1
Clinton, Mass	Feb. 6	13,667	2												
Columbus, Ga	...do	17,614	5												
Covington, Ky	...do	42,938	21		4			6		2	1	3			
Danville, Ill	Feb. 7	16,584	6		1			1							
Dayton, Ohio	Feb. 6	85,333	31	3	5	1		1		1		3			
Detroit, Mich	...do	285,704	129					5		19	2				
Duluth, Minn	Feb. 4	80,000	16	2	1			1		12					
Dunkirk, N. Y	Feb. 6	11,616	7					1							
East Liverpool, O.	Jan. 30	16,485	7	3	3										
Do	Feb. 6	16,485	4												
Elkhart, Ind	...do	15,184	3	1	1					1		8			
Elmira, N. Y	...do	35,672	9			1				3		1			
El Paso, Tex	Feb. 9	15,905	25		6			1			1	4	1		
Erie, Pa	Feb. 6	52,733	23	1	1	2	1	13		2				2	
Evansville, Ind	...do	59,007	14	4											
Everett, Mass	...do	24,336	5	2				1				3		1	1
Fall River, Mass	...do	104,863	45	3	3	1		6		1		22			
Findlay, Ohio	...do	17,613	4					2							
Fort Wayne, Ind	Jan. 30	45,115	9		2										
Do	Feb. 6	45,115	13		2	2				1					
Galesburg, Ill	...do	18,607	8					2		2					
Galveston, Tex	Feb. 5	37,789	9	2	2	1	1	2							
Glens Falls, N. Y.	Feb. 6	13,543	4					1							
Gloucester, Mass	...do	26,121	5								1				
G'd Rapids, Mich	...do	87,565	24	6	1	2		22		2		7		14	
Greenville, S. C	...do	11,860	5					3		1		1		2	
Hammond, Ind	...do	12,376	5		1		1					2			
Harrison, N. J	...do	10,596	3		1			2							
Haverhill, Mass	...do	37,175	19	3	3	1		1		11				1	
Homestead, Pa. [b]	Jan. 31	12,554	8		1			1				1			
Do	Feb. 7	12,554	10					1				7			
Indianapolis, Ind	...do	169,164	42		6	1		2	1	5		9			
Jacksonville, Fla	Feb. 6	28,429	28		2	3				2					
Jersey City, N. J	Feb. 7	206,433	85		5			33	4	20	1	119		1	1
Johnstown, Pa	Feb. 6	35,936	20		1	5	2	10		2		3		1	
Kansas City, Kans.	...do	51,418	23					2		3					
Kansas City, Mo	...do	163,752	57		3	1	2	10		11		2		3	
Kearny, N. J	...do	10,896	3	1	1			3		3				1	
Kingston, N. Y	Jan. 23	24,535			2										
Do	Feb. 6	24,535	9												
Knoxville, Tenn	...do	32,637	5	1	1	1	1			1		6			
La Crosse, Wis	...do	28,895	7		1										
Lancaster, Pa	...do	41,459	12		1			2				1		1	
Lawrence, Mass	...do	62,559	30	2	2	3				1		1			
Lebanon, Pa	...do	17,628	7	1	1	1				1		5			
Lexington, Ky	...do	26,369	14		4									2	
Los Angeles, Cal	Jan. 30	102,479	76	8	17	22		13		7	1	6			1

[a] One death from whooping cough occurred in the State Hospital.
[b] Period covers ten days.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Lowell, Mass	Feb. 6	94,969	44	3	4			1		4	3	6			
Lynn, Mass	...do	68,513	26		2	4	1			12	2				
Malden, Mass	...do	33,664	10	2		1		2		1	1	8			
Manchester, N. H.	...do	56,987	18					2		7					
Manitowoc, Wis	...do	11,786	1												
Mansfield, Ohio	...do	17,650						1							
Marinette, Wis	...do	16,195	4			2		1		4					
Marion, Ind	...do	17,337	6	2	2			11		4					
Marlboro, Mass	Jan. 30	13,609	5		1							2			
Do	Feb. 6	13,609	6											1	
Massillon, Ohio	...do	11,944	4		1										
Medford, Mass	...do	18,244	1							2		1			
Melrose, Mass	...do	12,962	3					3						24	
Milwaukee, Wis	...do	285,315	86	18	18	12	3	29	2	20	1	46		5	
Mobile, Ala. [a]	Dec. 31	38,469	21		4										
Do	Jan. 30	38,469	18	3	3	1		2		1					
Montclair, N. J	Feb. 6	13,962	2					3		1		8			
Montgomery, Ala.	Feb. 5	30,346	8		1										
Moline, Ill	Feb. 7	17,248	7		1			2				6			
Morristown, N. J	Feb. 6	13,000	4	1											
Mount Vernon, N. Y.	...do	21,228	10	1	1	1	1					21			
Muncie, Ind	Jan. 31	20,942	10		2			2		1	1				
Do	Feb. 7	20,942	1					1				2			
Nanticoke, Pa	...do	12,616	8	1						4					
Nashville, Tenn	Feb. 6	80,865	42	3	6	2		4		1					
Newark, N. J	...do	246,070	100		21	2	1	43		38	5				1
New Bedford, Mass	...do	63,442	23	5	2	1	1	3		1	1			1	
New Brunswick, N. J	...do	20,006								2	1				
Newburyport, Mass	...do	14,478	5	1											
New Orleans, La	...do	278,104	146	32	19	8	2	30	1	8					
Newton, Mass	...do	33,587	8			2		4		1		2			
New York, N. Y.	...do	3,437,202		487	180	26	7	370	21	422	42	521	28	58	3
Niagara Falls, N. Y.	...do	19,457	15	1	2	6	2	2		1	1				
Norristown, Pa	...do	22,265	9	5	1		1	1							
North Adams, Mass	...do	24,200	12		2					1					
Northampton, Mass	...do	18,643	5									21			
Oklahoma City, Okla	Jan. 30	43,500	16	1							1				
Do	Feb. 6	43,500	10		1										
Orange, N. J	...do	24,141	9	2				3		4		2			
Ottumwa, Iowa	...do	18,197	12		2	2		1		1				3	
Paducah, Ky	Jan. 30	19,446	6	2											
Do	Feb. 6	19,446	8	4											
Palmer, Mass	...do	7,801	1												
Pittsburg, Pa	...do	321,616	158	48	16	24	1	22	2	11	2	34		12	
Pittsfield, Mass	...do	21,766	6	2				2		2	1	2	1		
Plainfield, N. J	...do	15,369	6	1	1										
Plymouth Pa	...do	13,649								1		2			
Port Huron, Mich.	Jan. 16	19,158	6												
Do	Jan. 23	19,158	6	1	1										
Do	Jan. 30	19,158	5												
Do	Feb. 6	19,158	2	1	1										
Portland, Me	Jan. 30	50,145	26	2	4			3		2				3	
Do	Feb. 6	50,145	22	2	1	4				1					
Portsmouth, N. H.	...do	10,637	2												
Portsmouth, Va	Feb. 9	17,427	4					1							
Providence, R. I	Feb. 6	175,597	52	6	8			14		10		2			
Racine, Wis	...do	29,102	7												
Reading, Pa	Feb. 8	78,961	32		4	5		4		2	1	1			
Richmond, Va	Feb. 6	85,050	37	17	8	2		2		3				3	
Rock Island, Ill	...do	19,493	5												
Saginaw, Mich	Jan. 30	42,345	13	1	1							6			
St. Louis, Mo	Feb. 6	575,238	217	59	36	2	1	24	1	45	2	264	3	5	
San Antonio, Tex	...do	53,321				2		1		1					
San Francisco, Cal.	Jan. 30	342,782	140	36	23	2		11		8	2	58		4	1
Scranton, Pa	Jan. 16	102,026	50	1				12	1	8	1	4			
Do	Jan. 23	102,026	40	1	1	2		18	1	7	1	9			
Do	Jan. 30	102,026	32	1		3		11	1	8	1	19			
Shamokin, Pa	Feb. 6	18,202	7					1							
Somerville, Mass	...do	61,643	22	2	5			13		7	1	2			
South Bend, Ind	...do	35,999	21	1	1			3	1			30			

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Spokane, Wash	Jan. 23	38,848	16	....	1	....	1	9	1	14	....	25	....	....	....
Do	Jan. 30	38,848	30	....	....	....	1	4	....	6	1	12	....	....	....
Springfield, Ill	Feb. 5	34,159	14	....	....	....	....	2	....	1	....	....	....	....	....
Springfield, Mass.	Feb. 6	62,059	18	3	2	1	....	1	....	8	1	6	....	2	....
Springfield, Ohio	do	38,253	12	4	....	....	....	....	....	1	....	....	....	....	....
Steelton, Pa	do	12,068	5	....	....	....	....	....	....	....	....	1	....	....	....
Taunton, Mass	do	31,036	15	....	....	....	....	....	....	....	....	....	....	1	1
Terre Haute, Ind	do	36,673	9	....	2	....	....	2	....	....	....	1	....	....	....
Tiffin, Ohio	do	10,898	1	....	....	....	....	5	1	....	....	....	....	....	....
Titusville, Pa	do	8,244	4	....	....	....	....	2	....	....	....	....	....	....	....
Trenton, N. J	do	73,307	....	14	3	5	1	1	....	1	....	....	....	....	....
Waltham, Mass	do	23,481	3	....	....	....	....	6	....	8	....	17	....	....	....
Washington, D. C.	do	278,718	120	13	15	12	2	14	2	16	....	488	3	10	....
Wichita, Kans.[a]	Jan. 16	24,671	....	....	....	....	....	2	....	3	....	....	....	....	....
Do	Feb. 6	24,671	....	....	....	....	....	3	....	....	....	....	....	....	....
Wilkinsburg, Pa	Feb. 7	13,000	9	6	....	1	....	2	....	....	....	3	....	....	....
Williamsport, Pa	Jan. 30	28,757	5	1	....	....	....	....	....	2	....	1	....	....	1
Do	Feb. 6	28,757	12	2	2	....	....	3	....	1	1	....	....	....	....
Wilmington, Del	do	76,508	28	....	2	....	....	....	....	....	....	....	....	....	....
Winona, Minn	Feb. 9	19,714	7	....	2	....	....	....	....	....	....	....	....	....	....
Woburn, Mass	Feb. 6	14,254	4	1	....	....	....	2	....	....	....	....	....	....	....
York, Pa.	do	33,708	....	....	....	....	....	1	....	3	....	1	....	2	....

[a] Reported out of date.

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FOREIGN AND INSULAR.

Service representative detailed for duty at Barbados.

Owing to the prevalence of yellow fever at Barbados, Acting Assistant Surgeon R. H. Urquhart was detailed, February 8, to duty in the office of the consul at Bridgetown, Barbados. His duty will be to sign bills of health in conjunction with the consul, and to enforce the quarantine regulations of the United States with regard to yellow fever.

ALGERIA.

Deratization at Algiers—Rat fleas.

The following is taken from the *Bulletin Bimensuelle*, Algiers, January 16:

January 1–15: Rodents taken by the maritime sanitary service, 435; examined by the laboratory of health, 68; result, negative. Classification of rats: *Mus norvegicus*, 348; *Mus rattus*, 8; *Mus musculus*, 79. Rat fleas determined—*Pulex cheopis*, on *Mus norvegicus*, 13; *Ctenopysylla musculi*, on *Mus norvegicus*, 4.

Examination of rats at other localities in Algeria.

MONTH OF DECEMBER, 1908.

BÔNE.—Rats taken, 13; examined, 13; plague rats, 0. Classified: *Mus norvegicus*, 9; *Mus rattus*, 3; *Mus alexandrinus*, 1.

BOUGIE.—Rats taken, 58; examined, 41; plague rats, 0.

ORAN.—Rats taken, 794; examined, 212; plague rats, 0. Classified: *Mus norvegicus*, 179; *Mus rattus*, 33.

PHILIPPEVILLE.—Rats taken, 22; examined, 13; plague rats, 0.

CHINA.

Reports from Hongkong—Quarantine restrictions—Examination of emigrants—Inspection of vessels.

Acting Assistant Surgeon Hough reports, January 8:

Weeks ended December 12, 19, and 26, 1908: Restrictions enforced by Hongkong remain as reported on December 5, 1908.

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Vessels inspected and granted bills of health.

Week ended December 12	9
Week ended December 19	8
Week ended December 26	8

Examination of aliens for Honolulu and Pacific coast ports.

Week ended December 12:	
Examined	138
Rejected	24
Week ended December 19:	
Examined	0
Week ended December 26:	
Examined	242
Rejected	42

Examination of aliens for Philippine Islands.

Week ended December 12:	
Examined	46
Rejected	10
Week ended December 19:	
Examined	34
Rejected	9
Week ended December 26:	
Examined	40
Rejected	6

No quarantinable diseases.

Report from Shanghai—Plague among rats.

Consul Denby reports, January 12:

Plague is present among rats along the water front. No cases of human plague are officially reported.

CUBA.

Reports from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, February 3 and 8:

Week ended January 30.

Vessels inspected	7
Bills of health issued	7
Members of crews inspected	181
Passengers inspected (officers and men detached from the army of Cuban pacification)	92

No quarantinable diseases were reported in the city or province.

Week ended February 6.

Vessels inspected	9
Bills of health issued	9
Members of crews inspected	359
Passengers inspected (69 officers and their families and 511 men detached from the army of Cuban pacification)	580

During the week no quarantinable disease was reported.

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Report from Habana—Inspection of vessels.

Passed Assistant Surgeon Amesse reports, February 8:

Week ended February 6.

Vessels inspected	27
Bills of health issued	29
Members of crews of outgoing vessels inspected	1,370
Passengers of outgoing vessels inspected	1,055

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, February 9:

Week ended February 6. Bills of health issued to 4 vessels clearing for United States ports in good sanitary condition. No quarantinable diseases were reported within this district during the past week.

Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, February 2:

Week ended January 30. Bills of health issued to 5 vessels bound for the United States and its dependencies.

No quarantinable disease was reported during the week.

GERMAN EAST AFRICA.

Examination of rats at Dar-es-Salaam for plague infection.

The following information is taken from the Veröffentlichungen des kaiserlichen Gesundheitsamtes, Berlin, January 27:

To December 3, 1908, 358 rats were examined for plague infection. Of this number 17 were found to be plague infected.

GERMANY.

Reports from Berlin—Status of cholera in Russia.

The following information is received from Consul-General Thackara, under dates of January 27 and February 1:

During the week ended January 7 there were registered in the city of St. Petersburg 96 fresh cases of cholera and 40 deaths; in the government district of Tomsk 12 cases (6 deaths); and in the Don region 3 cases (1 death); making a total of 111 cases and 47 deaths, compared with 218 cases (94 deaths) in the previous week.

According to an official report dated January 10, a native of a little village near Helsingfors, who had been in St. Petersburg for a few days, has been found to be suffering with cholera.

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HAWAII.

Reports from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, plague laboratory, reports, January 25, through Temporary Chief Quarantine Officer Moore:

HONOLULU.

Week ended January 23.

Total rats taken	493
Rats trapped	492
Rats found dead	1
Rats examined bacteriologically	287
Plague rats	0
Classification of rats trapped:	
Mus alexandrinus	49
Mus musculus	336
Mus norvegicus	28
Mus rattus	79
Average number of traps set daily	1,338
Rats from Hilo referred to this laboratory for bacteriological diagnosis	4
Rats from Hilo still under investigation	4
Rats from Hilo proven to be plague infected during week	0

HILO.

Week ended January 16.

Total rats taken	284
Rats trapped	279
Rats found dead	5
Rats examined by agent of board of health	282
Classification of rats:	
Mus rattus	56
Mus norvegicus	203
Mus alexandrinus	12
Mus musculus	13

INDIA.

Report from Calcutta—Transactions of Service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Eakins reports, January 14:

Week ended January 9. Bill of health issued to the steamship *Langdale*, bound for Boston and New York with a total crew of 49. The usual precautions were taken, the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

Week ended December 26. Twelve deaths from cholera, 8 from plague, and 33 from smallpox in Calcutta. In Bengal 131 cases of plague with 109 deaths. In India during the same period, 2,075 cases of plague with 1,683 deaths.

Week ended January 2. Eight deaths from cholera, 5 from plague, and 28 from smallpox in Calcutta. In Bengal, 154 cases of plague with 134 deaths. In India, 1,793 cases of plague with 1,431 deaths.

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Report from Rangoon, Burma—Plague in Burma during the month of December, 1908.

Consul Wakefield reports, January 11:

There was a marked increase in plague during the month of December, 1908, in the districts of Pegu, Bassein, Henzada, Mandalay, and Yamethin. In Mandalay the number of deaths rose from 64 in November to 336 in December. In Yamethin the number of deaths increased from 15 in November to 101 in December.

The only satisfactory sanitary features of the month are the freedom of Thaton from plague and the continued improvement in Rangoon, where only 7 deaths occurred.

The total number of deaths in the province from plague was 601, as compared with 163 in November of last year and 396 in December, 1907. Excluding Rangoon and the northern Shan States, plague occurred in 15 districts during the month.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples and Calabria—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, January 25:

Vessels inspected at Naples and Palermo, week ended January 23.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Jan. 18	Europa	New York	1,265	50	1,680
22	San Giorgio	do	262	10	550
23	Manuel Calvo	do	243	15	380
	Total		1,770	75	2,610

PALERMO.

Jan. 23	San Giorgio	New York	682	747	214

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Smallpox.	Other causes.	Total.
Jan. 18	Europa	40		19		1	5	65
22	San Giorgio	21	1	1				23
23	Manuel Calvo	6		4				10
	Total	67	1	24		1	5	98

PALERMO.

Jan. 23	San Giorgio	24		28			3	55

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Smallpox in Naples.—During the week ended January 24 there were 20 cases of smallpox reported at the health office of the city of Naples.

A case of varioloid was discovered on examination of steerage passengers for the steamship *Europa* on January 18 and was sent to the Cotugno Hospital for contagious diseases. The patient had come directly to Naples on the above date from Sarno, a town about 20 miles distant from Naples.

Smallpox in Calabria.—Thirteen cases of smallpox at Cinquefrondi and two cases at Iatrinoli were reported from the earthquake zone, January 21. A hospital has been established at Cinquefrondi by the Italian Red Cross Society, the patients have been isolated, and vaccination is being carried out as far as possible.

Status of smallpox in Italy.—Week ended January 24. Province of Lucca (Viareggio), 1 case; Potenza, (Castelmezzano), 3 cases; Benevento, (San Giorgio la Molara), 4 cases; Rovigo (Bosaro), 6 cases; Aquila (Erasacco), 1 case; Foggia (Foggia), 22 cases; Lecce (Ericase), 10 cases.

JAPAN.

Reports from Yokohama—Summary of plague rats at Yokohama, year ended December 31, 1908—Epidemic diseases at Tokyo, years 1907 and 1908—Vaccination—Measures for rat destruction.

Passed Assistant Surgeon Cumming reports, January 20:

The bulletin of the Sanitary Institute reports that during the twelve months ended December, 1908, plague-infected rats were found throughout this Empire as follows: Osaka, 4,168; Hyogo (Kobe) ken, 2,047; Nagasaki ken, 121; Kanagawa (Yokohama) ken, 73; Nara ken, 56. In Tokyo, during the period January to November 30, 1,567,656 rats were examined for plague and none found infected.

In Yokohama there were caught and examined during the year ended December 31, 1908, 443,912 rats, of which 70 were found infected by plague.

Smallpox prevailed from January to May, during which time there were 1,246,400 vaccinations reported by the sanitary authorities in Tokyo.

The following were among the epidemic diseases reported in Tokyo:

Year.	Cholera.	Smallpox.	Dysentery.	Diphtheria.	Enteric fever.	Scarlet fever.	Plague.
1907	169	5	575	1,425	1,849	287	1
1908	18	1,678	462	1,482	1,661	209	0

Periodical cleaning of houses, together with poisoning by phosphorus and arsenic and the setting of traps, are measures used in the fight against rats.

Examination of emigrants.

Number of emigrants per steamship *Mongolia* January 20: For San Francisco, passed 4; for Honolulu, rejected 1; held for observation 1.

Per steamship *Shinano Maru* January 20: For Seattle, passed 12; held for observation 4.

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Per steamship *Minnesota* January 23: For Seattle, passed 1.
Per steamship *Nippon Maru* January 23: For Manila, passed 2.
Rejections and detentions were for trachoma.

Reports from Kobe—Inspection of vessels—Examination of emigrants.

Acting Assistant Surgeon Knight reports, January 12 and 21:

During the week ended January 9, 1 original and 4 supplemental bills of health were issued.

There were inspected 88 members of crews and 134 steerage passengers. Thirty-four members of crews and 36 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 174 and of bedding 70. Manifests were viséed for 30,133 pieces of freight, amounting to 2,859 tons.

Emigrants were examined as follows: Steamship *Tosa Maru* for Seattle, passed 14, recommended for rejection none; steamship *Asia* for Honolulu, passed 16, recommended for rejection 3, and steamship *Asia* for San Francisco 1, recommended for rejection none. The emigrants passed, together with 5 intending passengers to Victoria by the steamship *Tosa Maru*, were inspected, bathed, and disinfected. Their effects were disinfected.

During the week ended January 16, 1909, supplemental bills of health were granted to 5 steamships.

There were inspected 99 members of crews and 173 steerage passengers. Fourteen steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 36 and of bedding 26. Manifests were viséed for 73,089 pieces of freight, amounting to 5,115 tons.

Emigrants were examined as follows: Steamship *Shinano Maru* for Seattle, passed 4, recommended for rejection 6; and steamship *Mongolia* for Honolulu, passed 9, recommended for rejection 3.

The emigrants passed, together with 1 intending passenger to Victoria by the steamship *Shinano Maru*, were inspected, bathed, and disinfected, and their effects were disinfected before embarkation.

MEXICO.

Report from Mexico City—Yellow fever at Veracruz, Merida, and in vicinity of Maxcanu.

The following is received from Dr. Eduardo Liceaga, president of the superior board of health of Mexico, under date of February 4:

During the week ended January 30, 1 case and 1 death from yellow fever were reported at Veracruz; 1 case at Merida, and 1 case at San Bernardo, vicinity of Maxcanu.

Report from Coatzacoalcos—Inspection of vessels—Smallpox reported at Tehuantepec.

Acting Assistant Surgeon Thompson reports, February 4:

Week ended February 3. Inspected, 2 vessels.

No cases of quarantinable disease were reported.

Tehuantepec, a station on the Tehuantepec Railway, is reported to be infected with smallpox.

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Report from Salina Cruz—Inspection and fumigation of vessel.

Acting Assistant Surgeon McPherson reports, February 1:

Period January 16 to 31, inclusive. One steamship was inspected and fumigated.

NEWFOUNDLAND.

Report from St. Pierre—Smallpox on south coast.

The following information is received from the Department of State, under date of February 9:

The following telegram of February 6 has been received from the consul at St. Pierre, St. Pierre Island:

Epidemic smallpox reported south coast Newfoundland. St. Pierre quarantines against vessels from that section.

PERSIA.

Report from Teheran—Cholera at Tabriz declared extinct.

The following is received from the Department of State, under date of February 6:

The minister at Teheran states that the epidemic of cholera at Tabriz is considered to be at an end.

PERU.

Report from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Smallpox at Lima—Plague at Callao—Plague in Chile.

Acting Assistant Surgeon Gutierrez reports, January 15:

Week ended January 9. Two steamships for Ancon, Canal Zone, were fumigated. They carried an aggregate personnel of 229 members of crew, 159 cabin, and 71 steerage passengers. The U. S. S. *Solace*, for New York, was granted a bill of health on statement of medical officer.

The following is the latest report on plague in Peru received from the Director de Salubridad Pública:

Locality.	Cases Dec. 25.	New.	Recovered.	Died.	Remaining Dec. 31.
Lima	9	2	2		9
Callao		1		1	
Trujillo (city)	46	4	10	7	43
Trujillo (country)		10			
Chepen	4			1	3
San Pedro	10	2		1	11
Chiclayo	2	1	1	1	1
Ferreñafe	3		2		1
Eten		2		2	
Mollendo	3	1	2		2
Paita	1				1
Motupe	3	1	3		1
Monsefu	1		1		
Piura	2				2
Catacaos	3				3

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December 31, 6 cases of smallpox were in the lazaretto at Lima. Since my last report 4 cases of plague, with one death, have been reported at Callao. There have been 6 cases in 2 weeks. Bills of health report plague in Chile as follows: Iquique, January 3, 5 cases in the lazaretto; 4 cases and 1 death in 2 weeks.

PHILIPPINE ISLANDS.

Reports from Manila—Cholera and smallpox—Status of cholera in the provinces—Outbreaks of cholera at Cebu and on island of Bohol—Inspection of vessels.

Chief Quarantine Officer McClintic reports, December 29 and January 5 and 12:

Week ended December 26.

Three new cases of cholera, with 3 deaths, were reported for the city of Manila.

For the week, the following cases and deaths from cholera were reported from the provinces of the Philippines:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Rizal	18	19	Bohol	26	18
Ilocos Sur	4	2	Negros Occidental	27	16
Capiz	76	41	Cebu	4	2
Cavite	5	6	Leyte	31	29
Antique	14	9	Samar	24	15
Laguna	2	1	Ilollo	4	2
Ilocos Norte	59	33			
Cagayan	20	8	Total	314	201

During the week consular bills of health were issued at the port of Manila as follows: December 23, the British steamship *Cyclops*, with 90 in the crew, en route from Liverpool to Seattle and Tacoma, was granted a supplemental bill of health after the usual inspection and certification of the cargo and personnel. December 26, the British steamship *Hudson*, with 46 in the crew, en route from Foochow to Boston and New York, was granted a supplemental bill of health after inspection of the personnel and cargo. December 26, the British steamship *Taiyuan*, with 71 in the crew and with 49 passengers, was granted a supplemental bill of health for the Port of Zamboanga.

Week ended January 2.

One case of cholera, with no deaths, and 3 cases of smallpox, with 1 death, were reported for the city of Manila.

For the week the following cases and deaths from cholera were reported from the provinces of the Philippines:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Rizal	56	47	Cavite	4	3
Bohol	17	13	Antique	21	16
Cebu	4	4	Leyte	7	.....
Ilocos Sur	2	1	Ilocos Norte	30	22
Ilollo	47	27	Cagayan	11	4
Capiz	162	87			
Negros Occidental	46	22	Total	407	246

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The total number of cases of cholera reported from the provinces for the week just past is about double the number reported for the preceding week, the increase coming principally from the province of Capiz. The province of Rizal, in which is the city of Manila, reports 47 cases with 27 deaths. These cases came mostly from the small pueblos in the Mariquina Valley, in the vicinity from which Manila formerly received its water supply. This, however, causes no special apprehension, now that the new water system has been installed, the intake of which is at quite a distance beyond this infected territory. There is small probability of the water supply becoming infected.

On the island of Bohol, the disease has appeared, 17 cases with 13 deaths having been reported for the past week.

Thus far, only 4 cases have been reported from Cebu, the histories of which are rather interesting. Two women left Hilongus, Leyte, on December 16, 1908, and after having stopped at 2 small noninfected ports en route, arrived in Cebu on the morning of December 19. They went to stay with friends in Cebu, and on the night of their arrival, 2 of the family they were visiting developed cholera, and the following day, 2 more cases developed, all 4 of which died within a few hours. Neither one of the visitors developed the disease, and it would be interesting to know whether or not they were bacillus carriers, and, therefore, more or less immune, or how the victims contracted the infection, as these are the only cases that have been reported in that city.

During the week, consular bills of health were issued at the port of Manila as follows: December 29, the British steamship *Breconshire*, with 77 in the crew, en route from Calcutta to Cebu, was granted a supplemental bill of health. January 2, the British steamship *Sungkiang*, with 68 in the crew and 36 passengers, en route from Hongkong and Amoy to Cebu and Iloilo, was granted a supplemental bill of health. The crew and steerage passengers were bathed and their effects were disinfected at the Mariveles Quarantine Station. January 2, the British steamship *Inveric*, with 47 in the crew and with 2 passengers, was granted a bill of health for Tacoma via China and Japan ports. The personnel and cargo were inspected prior to sailing.

Week ended January 9. Quarantinable diseases as follows: Two cases of smallpox with 2 deaths were reported for the city of Manila.

For the week the following cases and deaths from cholera were reported from the provinces of the Philippines:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Rizal	54	49	Antique	17	12
Bohol	17	6	Laguna	1	1
Iloilo	4	4	Ilocos Norte	9	8
Leyte	6	6	Cagayan	6	6
Capiz	19	11			
Cebu	4	2	Total	143	109
Surigao	6	4			

During the week consular bills of health were issued at the port of Manila as follows: January 5, the British steamship *Dakotah*, with 45 crew, was granted a bill of health for San Francisco, after inspection of the cargo and personnel. January 8, the British steamship *Falls of Orchy*, coal laden, with 47 in the crew and with 4 passengers, en route from Newcastle to Tacloban, was granted a supplemental bill of health.

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PORTO RICO.

Report from Ponce—Transactions of service, month of January, 1909.

Acting Assistant Surgeon Ferrer-Torres reports, February 1, through Chief Quarantine Officer Foster:

Month of January, 1909.

Vessels inspected	14
Vessels in quarantine	8
Vessels disinfected	2
Passengers in quarantine:	
Incoming	121
In transit	821
Immigrants inspected	41
Rejections	1
Members of crews inspected	811
Bills of health issued	30
Pieces of baggage disinfected	3

RUSSIA.

Report from Libau—Examination of emigrants—Status of cholera at St. Petersburg—Summary of cholera to date.

Acting Assistant Surgeon De Forrest reports, January 26:

The steamship *Korea* left to-day with 452 passengers, all in good physical condition. All have been in Libau 5 days.

Reports of cholera at St. Petersburg show from January 12 to 22, 342 cases and 125 deaths, with about 283 cases present and a daily occurrence of about 25 or 30 cases. To January 19, 9,148 cases, 3,637 deaths, and 5,283 recoveries are reported.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Transvaal—Johannesburg.*—Two weeks ended December 26, 1908. Estimated population, 180,687. Total number of deaths, 178; including enteric fever 10, diphtheria 2, measles 1, whooping cough 1, and 16 from tuberculosis.

BRAZIL—*Pernambuco.*—Month of December, 1908. Estimated population, 210,000. Total number of deaths, 565; including whooping cough 1, smallpox 24, enteric fever 3, plague 4, and 116 from tuberculosis.

CANADA—*Nova Scotia—Yarmouth.*—Month of January, 1909. Estimated population, 6,700. Total number of deaths, 12, including 2 from diphtheria. Cases: Diphtheria 4 and smallpox 5.

CUBA.—Month of November, 1908. Estimated population, 1,572,797. Total number of deaths, 2,074, including enteric fever 15, measles 4, scarlet fever 4, diphtheria 29, whooping cough 14, and 287 from tuberculosis.

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Habana.—Month of December, 1908. Estimated population, 300,000. Total number of deaths, 487, including enteric fever 4, measles 1, scarlet fever 1, diphtheria 2, and 107 from tuberculosis.

FRANCE—*Roubaix.*—Month of December, 1908. Estimated population, 121,115. Total number of deaths, 206, including diphtheria 2, scarlet fever 4, measles 2, and 30 from tuberculosis.

FRANCE—*St. Etienne.*—Two weeks ended January 15, 1909. Estimated population, 150,000. Total number of deaths, 170, including diphtheria 1 and 12 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended January 23, 1909, correspond to an annual rate of 15.7 per 1,000 population, which is estimated at 16,234,952.

London.—One thousand four hundred and fourteen deaths were registered during the week, including measles 76, scarlet fever 11, diphtheria 20, enteric fever 6, whooping cough 11, tuberculosis 126, and 15 from diarrhea. The deaths from all causes correspond to an annual rate of 15.3 per 1,000. In greater London 2,010 deaths were registered. In the "outer ring" the deaths included 3 from measles, 3 from diphtheria, scarlet fever 2, and 1 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended January 23, 1909, in the 21 principal town districts of Ireland was 21.6 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Colonmel, viz, 5.1, and the highest in Tralee, viz, 37.0 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended January 23, 1909, correspond to an annual rate of 18.8 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 21.9 and the lowest in Perth, viz, 11.7 per 1,000. The aggregate number of deaths registered from all causes was 671, including diphtheria 12, scarlet fever 2, whooping cough 35.

Ireland—Belfast.—Quarter ended January 2, 1909. Estimated population, 380,344. Total number of deaths, 1,766, including measles 3, scarlet fever 3, whooping cough 3, diphtheria 7, enteric fever 11, and 305 from tuberculosis. Annual death rate per 1,000 of population, 17.2.

ITALY—*Genoa.*—Two weeks ended January 15, 1909. Estimated population, 279,163. Total number of deaths, 353, including enteric fever 2, measles 3, diphtheria 3, and 22 from tuberculosis.

JAPAN—*Formosa.*—Month ended January 9, 1909. Estimated population, 3,050,004. Total number of deaths not reported. Deaths from contagious diseases reported were: Enteric fever 7, diphtheria 1, and 1 from plague.

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MALTA.—Two weeks ended January 16, 1909. Estimated population, 209,974. Total number of deaths, 116, including 7 from tuberculosis.

MEXICO—*Tampico.*—Month of January, 1909. Estimated population, 20,000. Total number of deaths, 98, including 14 from tuberculosis.

TURKEY—*Smyrna.*—Three months ended December 31, 1908. Estimated population, 400,000. Total number of deaths, 822, including smallpox 53, enteric fever 21, tuberculosis 107, scarlet fever 2, diphtheria 3, and 3 from measles.

URUGUAY—*Montevideo.*—Month of November, 1908. Estimated population, 252,000. Total number of deaths, 380, including enteric fever 1, measles 1, scarlet fever 7, and 47 from tuberculosis.

WEST INDIES—*St. Thomas.*—Period from December 25 to January 15, 1909. Estimated population, 11,012. Total number of deaths, 15, including 1 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to February 19, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Dec. 5	12	10	
China:				
Hongkong	Dec. 28-Jan. 2	1	1	
India:				
Bombay	Dec. 9-Jan. 19		69	
Calcutta	Nov. 1-Jan. 2		85	
Madras	Nov. 14-Jan. 8		50	
Negapatam	Oct. 31-Nov. 6		1	
Rangoon	Nov. 8-Jan. 9		11	
Indo-China—Cholen	Nov. 9-15	1	1	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1-Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1-Jan. 12	258	160	
Bataan	Nov. 1-7	1	1	
Bohol	Dec. 20-Jan. 12	60	37	
Bulacan	Nov. 1-Dec. 19	81	67	
Cagayan	Nov. 1-Jan. 12	109	64	
Capiz	Nov. 1-Jan. 2	908	495	
Cavite	Nov. 1-Jan. 12	73	56	
Cebu	Dec. 20-Jan. 12	12	8	
Ilocos Norte	Nov. 1-Jan. 12	331	231	
Ilocos Sur	Nov. 1-Jan. 2	207	140	
Iloilo	Nov. 1-Jan. 12	292	153	
La Laguna	Nov. 1-Jan. 12	71	46	
Leyte	Nov. 1-Jan. 12	142	121	
Negros Occidental	Nov. 1-Jan. 2	261	166	
Palawan	Nov. 1-Dec. 19	10	5	
Pampanga	Nov. 1-28	3	3	
Rizal	Nov. 1-Jan. 12	205	184	
Samar	Nov. 1-Dec. 26	140	98	
Surigao	Nov. 15-Jan. 12	7	4	
Union	Nov. 1-Jan. 12	12	8	
Zambales	Dec. 6-12	3	3	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia, general	Nov. 15–Jan. 16	8,113	1,812	Dec. 1, 8 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska Etschmiadsin, and Dorpat.
Amolinsk	Nov. 15–Dec. 19	29	13	
Bakoo	Nov. 22–28	3	2	
Batoom	Nov. 15–21	4	2	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Jan. 16	164	82	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Helsingfors	Jan. 10	2	.....	In vicinity.
Kerson	Nov. 15–Dec. 19	2	.....	
Kharkov	Dec. 6–12	1	.....	
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1	.....	
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–12	2	2	
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3	.....	
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	
Semipalatinsk, territory of	Dec. 19–26	1	.....	
Stavropol	Nov. 15–21	1	.....	
St. Petersburg, government	Nov. 15–Dec. 12	11	3	
St. Petersburg	Nov. 29–Jan. 16	957	301	Jan. 19, still present.
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 16	99	47	
Tver, district	Nov. 15–Dec. 5	4	.....	
Volgoda	Dec. 6–12	1	.....	
Yelisavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–30	.....	.....	Present.
Straits Settlements:				
Singapore	Nov. 8–Jan. 2	.....	131	

YELLOW FEVER.

Barbados:				
Bridgetown	Dec. 12–Feb. 4	26	5	Dec. 27–Jan. 15, 9 cases and 4 deaths in parish of St. Lucy and 1 case in parish of St. Andrew.
Brazil:				
Bahia	Nov. 15–Jan. 2	21	10	Feb. 1. Epidemic.
Manaos	Nov. 29–Dec. 19	.....	3	
Para	Nov. 22–Jan. 16	28	23	
Pernambuco	Nov. 15–30	.....	1	
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1–2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago where 1 case died Dec. 31.
Curaçao	Jan. 15	1	.....	
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 2	21	6	
Ecuador:				
Guayaquil	Nov. 29–Jan. 16	.....	18	
Martinique:				
Fort de France	Dec. 13–Jan. 30	3	1	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–Jan. 30	13	6	
San Bernardo plantation	Dec. 27–Jan. 30	4	2	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Veracruz	Dec. 6–Jan. 30	12	5	
Trinidad:				
Port of Spain	Jan. 20	.....	1	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Australia:				
Brisbane	Nov. 1-7	1	1	
Brazil:				
Bahia	Nov. 15-Jan. 2	21	11	Feb. 1. Epidemic.
Pernambuco	Nov. 1-30		6	
Rio de Janeiro	Nov. 16-Dec. 27	46	28	
Chile:				
Iquique	Nov. 22-Jan. 3	7	2	
China:				
Hankau	Nov. 30-Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8-Jan. 2	2	2	
Tientsin	Oct. 18-Nov. 21			Still present.
Tongshan	Nov. 1-14			Present.
Ecuador:				
Guayaquil	Nov. 29-Jan. 16		13	
Milagro	Nov. 17-Dec. 12	17	8	Dec. 19, still present.
Egypt:				
Alexandria	Nov. 14-Dec. 4	3		
Port Said	Dec. 4	1		
Provinces—				
Assiout	Dec. 2-Jan. 1	3	3	
Beherach	Nov. 24-Dec. 26	11	6	
Galyoobeeyeh	Nov. 21-Jan. 6	2		
Garbieh	Nov. 27-Jan. 14	4	2	
Girgeh	Oct. 18-Dec. 30	4	3	
Fayoum	Nov. 23-Dec. 1	1	1	
Menouf	Nov. 27-Jan. 17	155	35	
Minieh	Nov. 25-Dec. 29	1		
India:				
Bombay Presidency and Sind.	Nov. 2-Dec. 17	7,533	5,307	
Madras Presidency	Nov. 2-Dec. 17	478	354	
Bengal	Nov. 2-Dec. 17	639	535	
United Provinces	Nov. 2-Dec. 17	506	436	
Punjab	Nov. 2-Dec. 17	2,813	2,243	
Burma	Nov. 2-Dec. 17	339	333	
Central provinces, including Berar.	Nov. 2-Dec. 17	1,152	865	
Coorg	Nov. 2-Dec. 17	5	3	
Mysore State	Nov. 2-Dec. 17	1,375	937	
Hyderabad State	Nov. 2-Dec. 17	256	222	
Central India	Nov. 2-Dec. 17	502	395	
Rajputana	Nov. 2-Dec. 17	410	413	
Grand total		16,008	12,043	
Indo-China:				
Cholen	Oct. 25-Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25-Dec. 26	8	7	
Japan:				
Formosa	Nov. 8-Dec. 9	18	6	
Mauritius	Oct. 2-Nov. 28		64	
Peru:				
Callao	Nov. 13-Dec. 31	5		Jan. 9, still present.
Catacaos	Dec. 11-17	3		
Chepen	Nov. 27-Dec. 31	9	2	
Chiclayo	Nov. 13-Dec. 31	9	6	
Eten	Nov. 13-Dec. 31	11	10	
Ferrenafe	Nov. 13-Dec. 24	9	3	
Lima	Nov. 13-Dec. 31	29	8	
Mollendo	Nov. 13-Dec. 31	5	2	
Monsefu	Nov. 13-Dec. 24	7	2	
Motupe	Dec. 17-31	1		
Oyotun, plantation	Nov. 20	4		
Paita	Dec. 11-17	3	2	
Piura	Dec. 11-24	5	3	
San Jose (Lambayeque)	Nov. 13-Dec. 3	2		
San Pedro	Nov. 13-Dec 31	20	13	
Trujillo	Nov. 13-Dec. 31	87	34	
Siam:				
Bangkok	Sept. 27-Oct. 24	5	1	Present in November
Straits Settlements:				
Singapore	Nov. 30-Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6-Jan. 16	37	12	
Beirut	Dec. 17-Jan. 9	5	5	
Jiddah	Dec. 12-Jan. 15	6	6	Feb. 3, still present.
Zanzibar	Nov. 10	1	1	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	Dec. 1-15		29	Imported.
Arabia:				
Aden	Nov. 25-Jan. 18		52	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1		
Austria:				
Galicia	Dec. 20-Jan. 23	8		
Silesia	Jan. 3-9	1		
Brazil:				
Bahia	Nov. 15-Jan. 2	182	14	
Pernambuco	Nov. 1-Dec. 31		62	
Rio de Janeiro	Nov. 16-Dec. 27	971	480	
Santos	Nov. 1-Dec. 6		9	
São Paulo	Nov. 1-Dec. 13		24	
Canada:				
British Columbia—				
Vancouver	Dec. 1-31	1		
Victoria	Dec. 12	25	4	
Manitoba—				
Winnipeg	Dec. 20-Jan. 11	5		
Ontario, province, general	Dec. 1-31	118		
Hamilton	Jan. 17-23	1		
Toronto	Nov. 8-28	7		
Nova Scotia—				
Halifax	Dec. 13-Feb. 6	21		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1-Feb. 13	23		And vicinity.
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Ceylon:				
Colombo	Nov. 1-21	62	13	
Chile:				
Talcaguana	Nov. 20-Jan. 2			Present in vicinity.
Valparaiso	Dec. 6-12	1		
China:				
Amoy	Oct. 11-Nov. 8		2	Dec. 19, still present.
Shanghai	Nov. 11-Jan. 10	4	1	3 cases Nov. 11-Dec. 28 from U. S. transport Seward.
Cuba:				
Habana	Dec. 26-Jan. 19	3		Case Dec. 26 on s. s. Floride; case Jan. 19 on s. s. Alfonso XIII.
Egypt, general	Nov. 12-Dec. 31	849	81	
Alexandria	Nov. 26-Dec. 31	2	3	
Cairo	Nov. 19-Jan. 14	95	51	
France:				
Marseille	Dec. 1-31		1	
Paris	Nov. 22-Jan. 16	22	1	
Germany, general	Nov. 19-Jan. 30	16		
Bremen	Jan. 16-23	2		
Breslau	Dec. 20-26	1		
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22-Jan. 2		4	
Patras	Dec. 16-31	1	1	
Great Britain:				
Bristol	Dec. 13-Jan. 23	4	2	
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths.
India:				
Bombay	Nov. 25-Jan. 19		29	
Calcutta	Nov. 1-Jan. 2		108	
Madras	Nov. 28-Jan. 8		2	
Rangoon	Nov. 22-Jan. 9		7	
Indo-China:				
Cholen	Nov. 15-Dec. 5	6	5	
Saigon	Nov. 1-Jan. 2	8	6	
Italy, general	Nov. 30-Jan. 24	131		
Cinquefrondi	Jan. 15-21	13		
Florence	Nov. 24-30	2		
Genoa	Dec. 1-Jan. 15	3		
Latrinole	Jan. 15-21	2		
Naples	Dec. 7-Jan. 24	157	29	Jan. 18, 1 case on s. s. Europa.
Polesella	Dec. 1			Epidemic.
Japan:				
Formosa	Nov. 29-Dec. 26	9		
Tokyo	May 8-Dec. 31	314		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Java:				
Batavia	Nov. 1–Jan. 2	26	2	
Malta	Nov. 22–Jan. 23	2		Case Nov. 22 on vessel.
Mexico:				
Acapulco	Jan. 11–17	6		
Guadalajara	Jan. 7–21	3		
Mexico City	Nov. 8–Dec. 26		37	
Monterey	Jan. 4–Feb. 7	5	5	
Salina Cruz	Jan. 1–15	5		
Tehuantepec	Jan. 28–Feb. 3			Present.
Veracruz	Dec. 13–Jan. 9	3	2	
Yucatan (Camp Mengel)	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Rotterdam	Jan. 10–16	1		
Newfoundland				Feb. 9, epidemic on south coast.
St. Johns	Jan. 10–Feb. 6	6		From s. s. Portia.
Norway:				
Christiania	Nov. 22–28	1	1	
Persia:				
Hamadan	Oct. 2–Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1–31			Do.
Sultanabad	Oct. 1–31			Do.
Tabriz	Oct. 2–8			Do.
Trebizond	Jan. 16			Do.
Teheran	Sept. 18–Oct. 28		17	
Peru:				
Lima	Nov. 22–Dec. 31	11		
Salaverry	Nov. 19–25		1	
Philippine Islands:				
Manila	Nov. 1–Jan. 12	10	5	Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20–Jan. 2	2		
Portugal:				
Lisbon	Nov. 30–Jan. 12	12		
Russia:				
Batoom	Dec. 1–31	1		
Moscow	Nov. 29–Jan. 23	155	64	
Odessa	Jan. 3–23	16	3	
Riga	Nov. 29–Jan. 23	6		
St. Petersburg	Nov. 15–Jan. 16	51	18	
Warsaw	Nov. 1–Dec. 19		35	
Servia:				
Belgrade	Dec. 6–12	2		
Siam:				
Bangkok	Nov. 1–30			Present.
Siberia:				
Vladivostok	Dec. 14–20	1		
Spain:				
Barcelona	Dec. 6–Feb. 23		14	
Cartagena	July 1–31		15	
Madrid	Nov. 1–30		9	
Valencia	Nov. 29–Jan. 23	25	3	
Vigo	Nov. 30–Jan. 30		7	
Straits Settlements:				
Singapore	Dec. 28–Jan. 2		1	
Turkey in Asia:				
Adalia	Sept. 24–27		2	
Smyrna	Oct. 7–Dec. 31		53	Jan. 5, epidemic.
Turkey in Europe:				
Constantinople	Dec. 7–Jan. 24		43	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Jan. 23	178,210	72									2		6
Acapulco	Jan. 17	5,000	7											
Aguascalientes	Jan. 31	40,000	58	1										4
Aix la Chapelle	Jan. 9	159,415	66	3						1		1	2	4
Alexandria	Dec. 31	383,934	198	29				2				2	2	
Antwerp	Jan. 16	312,571	86	10										
Athens	...do	241,058	71	11					2					
Bagdad	Jan. 2	250,000			2									
Bahia	Dec. 12	173,879	86	14	1		2	2		1				
Do	Dec. 19	173,879	81	13	2		2	1		2			1	
Do	Dec. 26	173,879	102	19	1		3	3		2				
Do	Jan. 2	173,879	98	15	1		1	4		1				
Barcelona	Dec. 26	600,000	176	13				1	2	14		3		
Do	Jan. 2	600,000	229	13				2		19		1		4
Do	Jan. 9	600,000	230	24				1	2	15			1	4
Do	Jan. 23	600,000	240	18				1		7		4	1	8
Barranquilla	Jan. 16	40,000	24	3						1				
Basel	...do	131,000	22	4										
Belfast	Jan. 23	386,576	140	30						1			2	1
Bergen	...do	87,749	26	2									1	
Berlin	Jan. 9	2,113,109	734	113						3	3	12	8	3
Birmingham	Jan. 23	558,336	191								2	1	20	1
Bluefields	...do	2,500	4											
Do	Jan. 30	2,500	2											
Bombay	Jan. 12	977,822	576	46	9	2		7		2			1	
Bordeaux	Jan. 23	253,000	132	17						1	1		1	
Bremen	Jan. 16	233,907	86	13								1	4	
Breslau	Jan. 9	335,186	200	37							1	2	1	
Do	Jan. 16	335,186	176	27								1		2
Bristol	Jan. 23	377,642	93					1				2		1
Brussels	Jan. 16	693,720	191	15						1		2		
Budapest	Jan. 9	804,200								3	4		3	
Cairo	Jan. 7	692,657	380	28				9	2	4		5		
Calcutta	Dec. 26	847,796	514	25	8	12		33					3	
Do	Jan. 2	847,796	492	30	5	8		28						
Cartagena	Jan. 14	30,000	19	1			1							
Do	Jan. 21	30,000	10	1										
Do	Jan. 26	30,000	8	1										
Christiania	Jan. 16	237,000	66									5		2
Cienfuegos	...do	37,000	9	1										
Do	Jan. 23	37,000	8	2										
Coatzacoalcos	Jan. 16	3,300	5											
Do	Jan. 23	3,300	6											
Do	Jan. 30	3,300	6	2										
Coburg	Jan. 16	23,470	15	2										
Cognac	Jan. 23	19,483	5											
Colon	Jan. 24	16,000	8	1										
Constantinople	Jan. 17	1,000,000	338	38				5		9		1	1	
Do	Jan. 24	1,000,000	269	39				3		12		1		
Copenhagen	Jan. 9	447,000	145	18							2	2	4	3
Dalny	Jan. 2	36,070	15											
Do	Jan. 9	36,070	13	1						1		1		
Damascus	...do	250,000	50											
Denia	Jan. 16	12,431	5											
Do	Jan. 23	12,431	1											
Dresden	Jan. 16	545,100	168	29								6	1	3
Dublin	Jan. 23	394,525	200	27								1	9	2
Dundee	Jan. 16	169,409	83							1				2
Do	Jan. 23	169,409	71									1		2
Durban	Jan. 2	60,972	26	1									1	
Edinburgh	Jan. 23	355,366	132	14							1			3
Fiume	Jan. 22	50,011	21	6								1	1	
Flushing	Jan. 23	21,208	8											
Frontera	...do	9,000	1											
Geneva	Jan. 9	118,500	22											
Do	Jan. 16	118,500	44								2			
Georgetown	...do	56,000	61	3										
Do	Jan. 23	56,000	27	1										
Ghent	Jan. 16	161,579	55	5							1		2	1
Gibraltar	Jan. 24	26,830	7											
Glasgow	Jan. 29	872,021	309								1	7		23
Gothenburg	Jan. 16	162,200	48	7										
Greenoch	...do	72,300	21	1										1

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Guadalajara	Jan. 28	125,000	87							1				
Guayaquil	Jan. 16	75,000	44	7	2		1							
Halifax	Jan. 30	40,787	16	2								1		
Hamburg	Jan. 23	872,252	256	28						2	5	4	1	4
Hamilton, Bermuda	Feb. 1	20,206	4											
Havre	Jan. 16	132,430	73	14						2				
Do	Jan. 23	132,430	69	15										
Hilo, Hawaii	Jan. 16	3,500	4	1										
Hull	Jan. 23	275,552	102									3	6	
Kobe	Jan. 2	363,593	149									2		
Do	Jan. 9	363,593	159									1		
Lausanne	...do	56,000	10											
Do	Jan. 16	56,000	19											
Leeds	Jan. 23	484,012	139	14							1	3	1	
Leipzig	Jan. 16	537,686	156	21						2	2	1	2	
Leith	Jan. 23	85,721	23	1										
Liege	Jan. 16	175,481	47	6							1			
Liverpool	Jan. 23	760,357	283	21							6	3		8
London	...do	4,833,938	1,414							6	11	20	76	11
Lübeck	Jan. 16	96,000	41	3								1		1
Lyon	Jan. 9	472,114	191	21								1		
Do	Jan. 16	472,114	211	29						2	2	2		
Magdeburg	Jan. 9	250,495	84	9								3		
Do	Jan. 16	250,495	93	9							2	3	1	
Managua	Jan. 9	22,278	15	1										
Manaos	...do	54,000	24											
Do	Jan. 16	54,000	14											
Manchester	Jan. 23	655,485	259	27						3	2	7	19	5
Mannheim	Jan. 9	181,209	40	9								1		
Manzanillo	Dec. 26	1,700	1											
Do	Jan. 9	1,700	2											
Do	Jan. 16	1,700	4											
Do	Jan. 23	1,700	4											
Do	Jan. 30	1,700	1											
Matamoros	Jan. 30	8,000	4	1										
Mazatlan	Jan. 16	22,000	22											
Mexico	Dec. 19	400,000	476	26				7	12		26	14	4	3
Do	Dec. 26	400,000	476	26				3	10	3	32	10		11
Milan	Jan. 17	900,000	243	22						6	1	1	2	
Do	Jan. 24	900,000	265	30						7	1	4	2	
Moncton, N. B.	Feb. 1	13,500	1								1			
Monrovia	Jan. 2	7,000	2											
Do	Jan. 9	7,000	3											
Do	Jan. 16	7,000	2											
Monterey	Jan. 31	100,000	42	4				3		1			1	
Moscow	Jan. 9	1,335,104	801	96				9	11	4	8	10	8	7
Do	Jan. 16	1,335,104	831	114				6	8	2	9	14	6	3
Munich	Jan. 2	556,000	198	30							2	4	2	1
Nagasaki	Jan. 3	173,118	55											
Nantes	Jan. 24	161,908	58	9										
Naples	Dec. 26	593,729	312					10				5		
Do	Jan. 2	593,729	279	35				1				4		
Do	Jan. 9	593,729	295					1			1	1	1	
Do	Jan. 16	593,729	303					7				2	1	
Niuchwang	Jan. 2	60,000	8											
Do	Jan. 9	60,000	11											
Nottingham	Jan. 16	260,000	92							1		1	5	2
Nuremberg	Jan. 9	316,720	116	19										3
Odessa	Jan. 16	467,000	241	27				2	4	4	4	4	1	2
Para	...do	185,000	81	13			4							
Palermo	Jan. 9	330,000	156	5					1		1	1	1	
Do	Jan. 16	330,000	178	6								1		
Plymouth	Jan. 23	124,180	31									1	1	
Port Elizabeth	Jan. 9	32,959	22	1						1				
Port of Spain	...do	60,000	28	4						1				
Do	Jan. 16	60,000	30	3										
Do	Jan. 23	60,000	37	6			1							
Progreso	...do	5,000	4											
Queenstown	...do	7,684	1											
Rangoon	Jan. 2	252,155	140		1			1						
Rotterdam	Jan. 23	411,629	132								4	1		
Saigon	Dec. 26	208,000	4		3			1						

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
St. Petersburg	Jan. 2	1,678,000	881	161		39		4	3	16	18	18	9	16
Do	Jan. 9	1,678,000	918	130		37		3		20	17	18	10	11
San Feliu de Guixols	Jan. 23	11,094	5											
Santa Cruz de Teneriffe	Jan. 16	46,000	14	1									1	
Do	Jan. 22	46,000	19	3									1	1
Shanghai	Dec. 26	544,500	90	11										
Southampton	Jan. 16	124,667	38	1										
Do	Jan. 23	124,667	36	5										
Stettin	Jan. 16	280,000	97	7								2		
Stockholm	Jan. 9	337,460	86	13						1	2	1		1
Tegucigalpa	Jan. 18	24,000	10											
Do	Jan. 25	24,000	4											
Trieste	Dec. 31	216,077	70								2			
Do	Jan. 9	216,077	144								2	1		
Turin	Jan. 17	381,439	149	13						1		1		
Valencia	Jan. 16	250,000	95	7						1	1	1		
Do	Jan. 23	250,000	104	10						1		1		
Venice	Nov. 28	176,815	67	4						1		2	1	
Do	Dec. 5	176,815	84	9						1			1	
Do	Dec. 12	176,815	89	9								1		1
Do	Dec. 19	176,815	73	5						1		1		
Do	Dec. 26	176,815	71	8								1		
Do	Jan. 2	176,815	63	5								1		
Vevey	Jan. 9	14,000	4											
Do	Jan. 16	14,000	3											
Victoria, B. C.	Jan. 30	30,000	1											
Vigo	Jan, 16	40,000	12	1				1			1		1	
Do	Jan. 23	40,000	25	6									2	
Vienna	Jan. 9	2,042,426	694	103						2	9	7	11	4
Do	Jan. 16	2,042,426	742	96						1	8	14	16	3
Warsaw	Dec. 12	751,595	258	51				4	1	6	4	2	11	2
Do	Dec. 19	751,595	264	44				2		4	6	3	3	1
Winnipeg	Jan. 30	118,000	41											
Yokohama	Jan. 11	378,884								2		1		
Zurich	Jan. 23	180,000	43	5								1		

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco and Point Richmond, and in Contra Costa County, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended February 13, 1909.

Sick inspected	2
Plague	0
Dead inspected	91
Plague	0
Necropsy held	1
Premises inspected	2,753
Houses destroyed	2
Nuisances abated	182
Rats found dead	29
Rats trapped	1,181
Total rats taken	1,210
Rats identified:	
Mus norvegicus	837
Mus rattus	18
Mus musculus	334
Total	1,189
Rats identified as to sex	845
Male	342
Female	503
Rats examined bacteriologically	760
Plague rats	0
Squirrels (*Citellus beecheyi*) caught	11
Squirrels examined bacteriologically	6
Plague squirrels	0
Weasel caught	1
Weasel examined bacteriologically	1
Plague weasels	0
Poisons placed	3,460

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POINT RICHMOND, CAL.

Week ended February 13.

Sick inspected	2
Plague	0
Dead inspected	3
Plague	0
Premises inspected	490
Nuisances abated	20
Rats found dead	14
Rats trapped	16
Rats examined bacteriologically	26
Plague rats	0
Poisons placed	14,000

CONTRA COSTA COUNTY, CAL.

Week ended February 13.

Sick inspected	1
Plague	0
Dead inspected	1
Plague	0
Squirrels shot and squirrels found dead	9
Squirrels examined bacteriologically	9
Plague squirrels	0
Ranches inspected	64
Ranches found free of squirrels	12
Ranches poisoning squirrels	24

Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson, plague laboratory, reports, February 9:

Animals examined in the laboratory in this city from February 1 to 7, 1909, inclusive.

Ground squirrels	142
Gray rats	240
Black rats	22
White rats	5

None of these animals was found to be infected with plague.

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, February 8:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended February 6, 1909.

Rats received	926
Rats necropsied	886
Plague rats	0
Plague-infected rats to date	21
Vessels inspected	15
Vessels fumigated	2

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STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*Los Angeles.*—Month of January, 1909. Estimated population, 275,000. Total number of deaths reported, 370, including diphtheria 1, enteric fever 3, scarlet fever 1, whooping cough 1, and 64 from tuberculosis. Cases of contagious diseases reported: Diphtheria 43, enteric fever 36, scarlet fever 89, measles 16, smallpox 7, and tuberculosis 27.

Sacramento.—Month of November, 1908. Estimated population, 50,000. Total number of deaths, 65, including enteric fever 3, diphtheria 1, and 8 from tuberculosis. Cases: Diphtheria 11, measles 2, scarlet fever 2, enteric fever 2, smallpox 15.

San Diego.—Month of January, 1909. Estimated population, 42,500. Total number of deaths, 47, including 7 from tuberculosis. Cases: Scarlet fever 3, diphtheria 1, enteric fever 1.

ILLINOIS—*Springfield.*—Month of January, 1909. Estimated population, 68,970. Total number of deaths, 81, including 13 from tuberculosis. Cases: Diphtheria 11 and scarlet fever 6.

INDIANA.—Month of December, 1908. Estimated population, 2,648,594. Total number of deaths, 2,702, including tuberculosis 291, enteric fever 76, diphtheria 40, scarlet fever 8, whooping cough 11, and 2 from smallpox.

Morbidity: Diphtheria, 291 cases in 49 counties; enteric fever, 242 cases in 53 counties; smallpox, 128 cases in 23 counties.

KENTUCKY—*Henderson.*—Month of January, 1909. Estimated population, 17,900. Total number of deaths, 17, including 3 from tuberculosis. Cases: Diphtheria 1, whooping cough 1, scarlet fever 1, and 3 from tuberculosis.

LOUISIANA—*New Orleans.*—Month of January, 1909. Estimated population, 362,000 (265,000 white, 97,000 colored). Total number of deaths 657 (426 white, 231 colored), including enteric fever 11 (white), measles 1 (colored), whooping cough 2 (white), diphtheria 3 (white), and 78 from tuberculosis, of which 48 were white and 30 colored. The death rate per 1,000 of population per annum for the month was: white, 19.29; colored, 28.58. Total white and colored, 21.78.

MINNESOTA.—Month of October, 1908. Estimated population, 1,979,658. Reports to the state board of health show as follows: Total number of deaths, 1,730, including diphtheria 38, enteric fever 73, scarlet fever 2, whooping cough 13, measles 1, smallpox 1, and 135 from tuberculosis. Deaths reported from state institutions during the month numbered 35, including enteric fever 7, and 6 from tuberculosis.

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Winona.—Month of January, 1909. Estimated population, 22,000. Total number of deaths, 22, including diphtheria 1 and 4 from tuberculosis. Cases: Diphtheria 1 and smallpox 1.

MISSOURI—*Springfield.*—Month of January, 1909. Estimated population, 35,000. Total number of deaths, 40, including diphtheria 1, and 6 from tuberculosis. Cases: Scarlet fever 7, diphtheria 4.

NEW HAMPSHIRE—*Manchester.*—Month of January, 1909. Estimated population, 64,793. Total number of deaths, 105, including diphtheria 3, whooping cough 2, and 10 from tuberculosis. Cases: Diphtheria 64, measles 1, and scarlet fever 11.

NEW JERSEY—*Perth Amboy.*—Five months ended December 31, 1908. Estimated population, 28,000. Total number of deaths, 172, including whooping cough 2, diphtheria 1, tuberculosis 9, and 2 from enteric fever. Cases: Diphtheria 25, tuberculosis 5, measles 141, enteric fever 5, and scarlet fever 24.

NEW YORK.—Annual report for the year 1908. Estimated population, 8,546,356. Total number of deaths, 138,441, corresponding to an annual death rate of 16.2 per 1,000 of population, including enteric fever 1,368, smallpox 3, measles 1,175, scarlet fever 1,688, diphtheria 2,468, and 14,316 from tuberculosis. Cases: Tuberculosis 26,230, diphtheria 20,759, scarlet fever 30,403, measles 58,738, enteric fever 6,978, and smallpox 866.

Month of December, 1908. Total number of deaths, 11,040, including enteric fever 106, smallpox 1, measles 61, scarlet fever 104, whooping cough 34, diphtheria 237, and 1,283 from tuberculosis. Cases: Tuberculosis 2,228, diphtheria 2,006, scarlet fever 1,890, measles 2,103, enteric fever 579, and smallpox 20.

Auburn.—Month of January, 1909. Estimated population, 40,000. Total number of deaths, 39, including enteric fever 1, and 7 from tuberculosis. Cases of contagious diseases reported: Diphtheria 1, enteric fever 10, measles 1, phthisis pulmonalis 9.

NORTH CAROLINA.—Month of December, 1908. Estimated population, 1,893,810. Reports of state board of health from 83 counties show as follows: Measles in 15 counties, whooping cough in 29 counties, scarlet fever in 24 counties, diphtheria in 34 counties, enteric fever in 38 counties, malarial fever in 5 counties, pernicious malarial fever in 2 counties, hemorrhagic malarial fever in 4 counties, and smallpox in 7 counties, viz: Catawba, 3; Currituck, several; Duplin, 10; Edgecombe, 1; Lenoir, 20; Lincoln, 1; Pasquotank, 12.

OREGON—*Portland.*—Month of December, 1908. Estimated population, 175,000. Total number of deaths, 158, including enteric fever 7, diphtheria 2, and 14 from tuberculosis. Cases: Diphtheria 29, enteric fever 15, measles 3, smallpox 21, and scarlet fever 15.

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PENNSYLVANIA—*Pittsburg.*—Month of September, 1908. Estimated population, 462,801. Total number of deaths, 694, including diphtheria 7, scarlet fever 11, measles 2, whooping cough 1, enteric fever 20, and 66 from tuberculosis. Cases: Diphtheria 82, scarlet fever 116, enteric fever 127, whooping cough 20, tuberculosis 85, and measles 30.

TENNESSEE—*Knoxville.*—Annual report for the year 1908. Estimated population, 53,000. Total number of deaths 653, including enteric fever 17, measles 1, whooping cough 19, diphtheria 4, and 106 from tuberculosis. Cases: Enteric fever 56, scarlet fever 34, measles 257, diphtheria 31, smallpox 59, whooping cough 43, and tuberculosis 108.

Nashville.—Month of January, 1909. Estimated population, 127,723. Total number of deaths 159, including enteric fever 1, diphtheria 3, scarlet fever 1, and 29 from tuberculosis. Cases: Scarlet fever 10, smallpox 17, enteric fever 8, diphtheria 11, and 11 from pulmonary tuberculosis.

UTAH—*Salt Lake City.*—Annual report for the year 1908. Estimated population, 85,000. Total number of deaths, 1,167, including enteric fever 29, measles 1, scarlet fever 20, whooping cough 7, diphtheria 18, and 83 from tuberculosis. Cases: Diphtheria 166, scarlet fever 472, measles 372, enteric fever 122, smallpox 182, whooping cough 207, and tuberculosis 18.

Month of January, 1909. Total number of deaths, 96, including enteric fever 1, smallpox 1, scarlet fever 2, whooping cough 1, diphtheria 2, and 4 from tuberculosis. Cases: Scarlet fever 53, smallpox 110, diphtheria 17, measles 7, enteric fever 3, and whooping cough 70.

VIRGINIA—*Richmond.*—Month of January, 1909. Estimated population, 115,701—white, 73,104; colored, 42,597. Total number of deaths, 185—white, 95; colored, 90—including enteric fever 2, measles 1, whooping cough 1, diphtheria 1, and 29 from tuberculosis. Cases: Diphtheria 13, enteric fever 13, measles 4, scarlet fever 3, and whooping cough 11.

Newport News.—Month of January, 1909. Estimated population, 28,749. Total number of deaths, 19, including diphtheria 1, and 1 from tuberculosis. Cases: Diphtheria 2.

WASHINGTON—*Seattle.*—Month of January, 1909. Estimated population, 276,562. Total number of deaths, 162, including enteric fever 2, diphtheria 5, and 14 from tuberculosis. Cases: Diphtheria 85, measles 35, enteric fever 13, scarlet fever 41, smallpox 5, tuberculosis 16, and whooping cough 1.

WEST VIRGINIA—*Charleston.*—Month of January, 1909. Estimated population, 26,000. Total number of deaths, 18, including 1 from tuberculosis. Cases: Diphtheria 11, scarlet fever 1, enteric fever 10, smallpox 1, and tuberculosis 1.

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Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to February 26, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Jan. 12–Feb. 6	7		
Tuscaloosa County	Feb. 6–Dec. 31	86		Year 1908.
Total for State		93		
Arkansas:				
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		58		
California, general	Nov. 1–Dec. 31		3	
Los Angeles	Dec. 6–Feb. 13	14		
Oakland	Nov. 1–Dec. 31	6		
Sacramento	Nov. 1–Dec. 31	24		
San Francisco	Dec. 13–Feb. 6	19		
Stockton	Nov. 1–30	12		
Total for State		75	3	
District of Columbia:				
Washington	Dec. 28–Feb. 13	5		
Total for District		5		
Illinois:				
Belleville	Dec. 4–20	3		
Browning	Oct. 25–Jan. 20	75		
Cairo	Jan. 7–Feb. 13	182		
Centralia	July 1–Jan. 20	53		
Chicago	Jan. 3–Feb. 6	5		
Danville	Jan. 11–Feb. 14	3		
Ladd	Nov. 1–30	4		
Palmyra	Dec. 25–Jan. 20	4		
Peoria	Dec. 20–Feb. 23	5		
Scottsville	Dec. 25–Jan. 20	12		
Taylorville	Aug. 1–Jan. 20	40		
West Frankfort	Dec. 12–Feb. 13	15		
Total for State		401		
Indiana:				
Allen County—				
Fort Wayne	Jan. 10–Feb. 6	4		
Benton County	Nov. 1–30	1		
Boone County	Nov. 1–30	1		
Carroll County	Oct. 1–31	26		
Clay County	Oct. 1–31	8		
Dearborn County	Oct. 1–31	1		
Elkhart County	Oct. 1–Nov. 30	7		
Elkhart	Jan. 17–Feb. 13	5		
Grant County—				
Union	Feb. 6	5		
Hendricks County	Nov. 1–30	2		
Madison County	Oct. 1–31	1		
Anderson	Dec. 1–31	1		
Marion County—				
Indianapolis	Jan. 18–Feb. 7	4		
Sullivan County	Oct. 1–31	2		
Tippecanoe County	Oct. 1–Nov. 30	18		
Lafayette	Dec. 15–Feb. 15	52	1	
Tipton County	Nov. 1–30	1		
Vanderburg County—				
Evansville	Jan. 10–Feb. 6	6		
Vigo County	Oct. 1–Nov. 30	6		
Wabash County	Nov. 1–30	3		
Wayne County	Nov. 1–30	8		
Total for State		162	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Council Bluffs	July 1-Dec. 31	19	2	
Dubuque	Oct. 1-Jan. 31	87	1	
Total for State		107	5	
Kansas:				
Atchison County—				
Atchison	Dec. 20-Jan. 16	2		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Dec. 31	45		
Crawford County—				
Pittsburg	Nov. 1-Dec. 31	107		
Franklin County	Dec. 1-31	1		
Harvey County	Nov. 1-Dec. 31	4		
Jackson County	Nov. 1-Dec. 31	95		
Jefferson County	Dec. 1-31	2		
Jewell County	Dec. 1-31	2		
Montgomery County	Nov. 1-Dec. 31	18		
Nemeha County	Dec. 1-31	2		
Phillips County	Dec. 1-31	2		
Pottawatomie County	Nov. 1-Dec. 31	36		
Pratt County	Dec. 1-31	20		
Reno County	Nov. 1-Dec. 31	8		
Riley County	Nov. 1-30	2		
Saline County	Nov. 1-Dec. 31	31		
Shawnee County	Nov. 1-Dec. 31	6		
Topeka	June 7-Feb. 6	61		
Sheridan County	Dec. 1-31	9		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Dec. 31	7		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-Feb. 13	6		
Total for State		475		
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Covington	Dec. 29-Feb. 20	12		
Henderson		7		Jan. 1-June 30, 1908.
Lexington	Dec. 28-Feb. 13	26		
Newport	July 1-Jan. 31	20	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24-Feb. 6	17		
Total for State		282	2	
Louisiana:				
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20-Feb. 6	17		
Shreveport	Jan. 1-20	32	1	
Total for State		79	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-Feb. 6	94		
Total for State		145		
Maryland:				
Baltimore	Jan. 30-Feb. 6	1		
Total for State		1		
Massachusetts:				
New Bedford	Jan. 30-Feb. 6	1		
Taunton	Jan. 3-9	1		
Total for State		2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31	1		
Ingham County—				
Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County—				
Grand Rapids	Jan. 24-30	1		
Lapeer County	Dec. 1-31	2		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-Feb. 6	2		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-30-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-30	4		
Wexford County	Dec. 1-31	2		
		66		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 20-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Dec. 31	21		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicolett County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Oct. 6-Dec. 13	57		
Renville County	Dec. 1-7	1		
St. Louis County				
Duluth	Nov. 9-Jan. 22	3		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Saseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-30	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-Jan. 31	5		
Yellow Medicine County	Oct. 20-26	1		
Total for State		238		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-Feb. 6	3		
St. Joseph	Dec. 1-31	1		
St. Louis	Dec. 20-Feb. 6	9		
Springfield	Nov. 1-Dec. 31	2		
Total for State		15		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Montana:				
Cascade County	Nov. 1-30	4		
Flathead County	Nov. 1-30	1		
Gallatin County	Nov. 1-30	13		
Bozeman	Nov. 1-30	15		
Jefferson County	Nov. 1-30	4		
Ravalli County	Nov. 1-30	4		
Silverbow County	Nov. 1-30	5		
Butte	Dec. 2-Feb. 16	23		
Yellowstone County	Nov. 1-30	1		
Total for State		70		
Nebraska:				
Lincoln	Nov. 1-Dec. 31	5		
South Omaha	Dec. 20-Feb. 13	6		
Total for State		11		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		8		
New York, general	Nov. 1-Dec. 31	75	1	
Niagara Falls	Feb. 7-13	1		
Rome	Jan. 1-31	1		
Schenectady	Feb. 7-13	1		
Syracuse	Jan. 9-31	3		
Total for State		81	1	
North Carolina:				
Bertie County	Nov. 1-30	1		
Catawba County	Nov. 1-Dec. 31	4		
Currituck County	Nov. 1-30	3		Present to Dec. 31.
Duplin County	Dec. 1-31	10		
Edgecombe County	Dec. 1-31	1		
Johnston County	Nov. 1-30	1		
Lenoir County	Dec. 1-31	20		
Lincoln County	Dec. 1-31	1		
Pasquotank County	Nov. 1-Dec. 31	29		
Wilmington	Jan. 22	1		Imported.
Total for State		71		
Ohio, general	June 14-Jan. 2	337		
Cincinnati	Dec. 12-Feb. 19	139	1	
Dayton	Jan. 24-Feb. 13	4		
Newark		3		Year 1908.
Tiffin	Jan. 8-23	2		
Total for State		485	1	
Oregon:				
Clackamas County	Sept. 1-30	1		
Harney County	Sept. 1-30	1		
Jackson County	Oct. 1-31	1		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Oct. 31	3		
Multnomah County—Portland	Nov. 1-Dec. 31	50		
Polk County	Sept. 1-Oct. 31	8		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-30	1		
Wallowa County	Oct. 1-31	1		
Washington County	Oct. 1-31	17		
Yamhill County	Sept. 1-30	7		
Total for State		96		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 19-25	1		
Pittsburg	Dec. 13-19	1		Imported.
Total for State		6		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
South Dakota:				
Aberdeen	May 1–Jan. 31	43		
Total for State		43		
Tennessee:				
Green County	Jan. 2	108		Including Greenville.
Knoxville	Dec 28–Feb. 13	12		
Memphis	Jan. 18–Feb. 13	23		Imported.
Nashville	Dec. 20–Feb. 20	24		
Polk County	Jan. 22	30		
Total for State		192		
Texas:				
Cost	Oct. 1–Dec. 19			Present.
Cotulla	Jan. 25			Do.
Denton County	Jan. 1–Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10–16	2		
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Goliad County	Dec. 1–Jan. 20	25		
Laredo	Dec. 26–Feb. 13	4		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–Feb. 6	44		
San Augustine County	Jan. 5			Do.
Total for State		352		
Utah:				
Davis County	Nov. 1–Dec. 31	20		
Garfield County	Dec. 1–31	9		
Salt Lake County	Dec. 1–Jan. 31	136		
Salt Lake City	Dec. 1–Jan. 31	187	1	
Sanpete County	Dec. 1–31	1		
Summit County	Dec. 1–31	7		
Utah County	Dec. 1–31	1		
Weber County	Nov. 1–Dec. 31	2		
Total for State		363	1	
Vermont:				
Newfane	Jan. 11	8		And vicinity.
West Windsor, township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		13		
Virginia:				
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Total for State		9		
Washington:				
Seattle	Oct. 1–Jan. 31	15		
Spokane	Dec. 6–Feb. 13	9	1	
Tacoma	Dec. 14–Jan. 17	31		
Total for State		55	1	
West Virginia:				
Charleston	Jan. 1–31	1		
Weston	Jan. 15–Feb. 13	1		
Total for State		2		
Wisconsin:				
La Crosse	Dec. 13–Feb. 13	30		
Manitowoc	Dec. 13–Feb. 20	8		
Milwaukee	Dec. 6–Feb. 13	92		
Total for State		130		
Grand total for the United States		4,326	15	

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Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes	Tuberculosis		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Feb. 13	38,973	13		1			4	1	1	1				
Ann Arbor, Mich	Feb. 6	14,509	5	2								2			
Do	Feb. 13	14,509	5	5		1		1						1	
Auburn, N. Y	Jan. 30	30,345	10	5	3	2						1			
Do	Feb. 6	30,345	8	4	1										
Do	Feb. 13	30,345	12	3						1				2	
Baltimore, Md	...do	508,957	194	19	26	6	1	9	1	14	2	93	1	1	
Bath, Me	...do	10,477						2							
Bayonne, N. J	...do	32,722		1				1		7		28			
Beaver Falls, Pa	...do	13,000				1		1							
Berkeley, Cal	Feb. 6	13,214	13		1		1	6		1		2			
Biddeford, Me	Feb. 13	16,145	5		1										
Binghamton, N. Y	...do	38,647	6												1
Boston, Mass	...do	560,892	219	43	27	2	1	51	5	69	4	69		24	2
Braddock, Pa	...do	15,654	7			1			1	3					
Bradford, Pa	...do	15,029	5	1	1			5				1			
Brockton, Mass	...do	40,063	13					2		1		108		31	
Cambridge, Mass	...do	91,886	30	8	5			15		3		7		1	
Camden, N. J	...do	75,935	31	1				6		6					
Camden, S. C	...do	2,441										2			
Carbondale, Pa	...do	13,536	11			1									
Charlotte, N. C	Feb. 12	18,091	10		2									1	
Chelsea, Mass	Feb. 13	34,072	10		2			1		2				1	
Chicago, Ill	...do	1,698,575	592	109	69	90	6	142	6	145	13	107	3	30	
Chicopee, Mass	...do	19,167	9					2		4	1	2			
Cincinnati, Ohio	Feb. 12	325,902	93	12	13	3	2	8		10	1	1		5	
Cleveland, Ohio	...do	381,768	127	30	10	11	1	18	1	18	1	17	1	23	4
Clinton, Mass	Feb. 13	13,667	3	2								1			
Columbus, Ga	...do	17,614	5		1										
Covington, Ky	...do	42,938		3	4			3		1					
Danville, Ill	Feb. 14	16,534	7		1			1							
Dayton, Ohio	Feb. 13	85,333	29	1	8	1	1	2		1		9			
Detroit, Mich	...do	285,704	115					4	1	10	1				
Duluth, Minn	Feb. 11	80,000	23	2	1			4		21	2				
Dunkirk, N. Y	Feb. 13	11,616	6												
Elkhart, Ind	...do	15,184	3	1	1	2	1					14			
Elmira, N. Y	...do	35,672	10		1		1					1			
Evansville, Ind	...do	59,007	28	4	3	2				8	1				
Everett, Mass	...do	24,336	9		2			2		2					
Fall River, Mass	...do	104,863	41	1	1			4		3	1	1		1	
Findlay, Ohio	...do	17,613	2					1		1					
Fort Wayne, Ind	...do	45,115	8	1	1			2		1		1			
Galesburg, Ill	...do	18,607	6					2		1					
Galveston, Tex	Feb. 12	37,789	8	3	3	1									
Glens Falls, N. Y.[a]	Jan. 30	13,543	6					1		1					
Do	Feb. 13	13,543	2	1											
Gloucester, Mass	...do	26,121	5												
G'd Rapids, Mich	...do	87,565	27	1	3	1		18	1	1		8		8	
G't Falls, Mont[a]	Jan. 23	14,930	7	4	1	2		17	1			3			
Do	Feb. 7	14,930	6			1		12	2	1		2		6	1
Do	Feb. 13	14,930	4				1	10		3		2		1	
Greensboro, N. C	...do	10,035	5		3							5			
Greenville, S. C	Jan. 30	11,860	4					2		1					
Do	Feb. 13	11,860	3					1		1					
Hartford, Conn	Feb. 7	79,850	25	4	4			1		4				2	
Do	Feb. 14	79,850	28	6	4	1				8				1	
Harrison, N. J	Feb. 13	10,596	5							1					
Haverhill, Mass	Feb. 13	37,175	15	2		1				5	1				
Hammond, Ind	...do	12,376	3		1										
Hoboken, N. J	...do	59,364						8		4					
Indianapolis, Ind	Feb. 14	169,164	45	1	5		2	4		8		44			
Jacksonville, Fla	Feb. 13	28,429	18		3					2					
Jersey City, N. J	Feb. 14	206,433	100		5			26	2	13	2	89			
Johnstown, Pa	Feb. 13	35,936	20			7		19	1	2		8			
Kalamazoo, Mich	Feb. 6	24,404	12					1		2					
Do	Feb. 13	24,404	12	1								1		1	
Kansas City, Kans	...do	51,418	20	1	7	1	3	2		5		1			
Kansas City, Mo	...do	163,752	59		2	5	1	1		5	1	2		1	
Kearny, N. J	...do	10,896	4					1		2					
Kingston, N. Y.[a]	Jan. 30	24,535	15												
Do	Feb. 13	24,535	10		1										
Knoxville, Tenn	...do	32,637	23	2	2							10	1	1	1

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
La Crosse, Wis	Feb. 13	28,895	7												
Lafayette, Ind	Feb. 8	18,116	7		2					2					
Do	Feb. 15	18,116	5		1										
Lancaster, Pa	Feb. 13	41,459	18			1		5							
Lawrence, Mass	do	62,559	32	1	4	2				4	2	2			
Lebanon, Pa	do	17,628	5									2			
Lexington, Ky	do	26,369	13		2					2				5	
Los Angeles, Cal	Feb. 6	102,479	92	10	14	13		7		8		4			
Lowell, Mass	Feb. 13	94,969	37	5	8	1		1		7		4			1
Lynchburg, Va	Feb. 6	18,891						2		2				1	
Do	Feb. 13	18,891						1							
Lynn, Mass	do	68,513	36		3			1	1	15	1	8	1		
Malden, Mass	do	33,664	8	1	2	1		1		2		7		7	
Manchester, N. H	do	56,987	35	1	1			1		10					
Manitowoc, Wis	do	11,786	3			1		2		4		3			
Mansfield, Ohio	do	17,650						6							
Marinette, Wis	do	16,195						1							
Marion, Ind	do	17,337	4		1			1		1					
Marlboro, Mass	do	13,609	5												
Massillon, Ohio	do	11,944	2												
Medford, Mass	do	18,244	9		1			2		4					
Melrose, Mass	do	12,962	3					1		1				11	
Memphis, Tenn	do	102,320	38	4	5		2	5		4	1				
Milwaukee, Wis	do	285,315	117	6	6	10	1	28	3	17	3	72		8	3
Mobile, Ala	Feb. 6	38,469	21	3	4										
Do	Feb. 13	38,469	22		2										
Montclair, N. J	do	13,962	2							2		11			
Montgomery, Ala	Feb. 12	30,346	15		2		1								
Moline, Ill	Feb. 14	17,248	9		1							21			
Morristown, N. J	Feb. 13	13,000	7									1			
Mount Vernon, N. Y	do	21,228	6					1		1		24			
Muncie, Ind	do	20,942	4	2	2	2									
Nanticoke, Pa	Feb. 14	12,616	8							2					
Nashville, Tenn	Feb. 13	80,865	41		3	1		1		1					
Nebraska City, Nebr	do	7,200	2												
Newark, N. J	do	246,070	104		14	1	1	35	2	34	6				
New Bedford, Mass	Feb. 13	63,442	37	5	2			10	1	2	2	2		9	
Newburyport, Mass	do	14,478	9		2	2									
New London, Conn	Feb. 6	17,548	3	1						2					
Do	Feb. 13	17,548	5	2								2			
New Orleans, La	do	278,104	141	27	9	8	2	48		8	2				
Newton, Mass	do	33,587	11	1	1		1	2		2					
New York, N. Y	do	3,437,202		444	180	25	9	367	18	496	56	499	18	48	4
Niagara Falls, N. Y	do	19,457	8	2		7		5		3	1	1			
Norristown, Pa	do	22,265	4	1	1	1		1		1		7			
North Adams, Mass	do	24,200	5												
Northampton, Mass	do	18,643	3			3						18			
Oklahoma City, Okla	do	43,500	13			2		2		1					
Orange, N. J	do	24,141	7	1		1		3				1			
Ottumwa, Iowa	do	18,197	9	1		2									
Palmer, Mass	do	7,801	1												
Passaic, N. J	do	27,777	13					3		1					
Peoria, Ill	do	56,100	19	5		2		2		1					
Pittsfield, Mass	do	21,766	6	2				2		1					
Plainfield, N. J	do	15,369	8	2	2							2			
Plymouth, Pa	do	13,649						1		3					
Portsmouth, N. H	do	10,637						1							
Providence, R. I	do	175,597	73	4	6	1		10	1	9	2	1			
Racine, Wis	do	29,102	10							1					
Reading, Pa	Feb. 15	78,961	29	1		5	1	2		4	1	1			
Rockford, Ill	Feb. 6	31,051								1					
Do	Feb. 13	31,051								2					
Rock Island, Ill	Jan. 30	19,493	2					1		1					
Do	Feb. 13	19,493	5		1					3	1				
St. Joseph, Mo	Feb. 6	102,979	24		1							1			
Do	Feb. 13	102,979	23		3			2				1			
St. Louis, Mo	do	575,238	222	41	29	2		21	1	54	6	205	2	6	
San Antonio, Tex	do	53,321						1							

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Sandusky, Ohio	Jan. 23	19,664	6	6	2	4		2							
Do	Jan. 30	19,664	5			7									
San Francisco, Cal.	Feb. 6	342,782	128	33	14	1		4	1	21		76		4	
Scranton, Pa	do	102,026	25		1	2	1	8	1	6	1	21	1		
Do	Feb. 13	102,026	31			2		16	3	5		16			
Schenectady, N.Y.	Feb. 6	31,682	8					3	1	2					
Do	Feb. 13	31,682	16	2	2			7	1	1					
Shamokin, Pa	do	18,202	9					2	1			7			
Somerville, Mass	do	61,645	19	2	2			6		4		15			
South Bend, Ind	do	35,999	18	2	2					1		16			
So. Omaha, Nebr.	do	26,001								1					
Spokane, Wash	Feb. 6	38,848	21					15		15		21			
Springfield, Ill	Feb. 12	34,159	9					1							
Springfield, Mass.	Feb. 13	62,059	22		1	3				3		9			
Springfield, Ohio	do	38,253	12	3	4	2	1								
Steelton, Pa	do	12,068	4		1									1	
Taunton, Mass	do	31,036	16	2						1					
Terre Haute, Ind	do	36,673	19		2			6		1	1				
Tiffin, Ohio	do	10,898						5		2					
Titusville, Pa	do	8,244	2					3							
Topeka, Kans	Feb. 6	33,608	11		3			2		3		1			
Do	Feb. 13	33,608	10	2	1										
Trenton, N. J	do	73,307			1	5	1	1		2					
Waltham, Mass	do	23,481	8					3		3		6			
Washington, D. C.	Feb. 13	278,718	129	18	17	12	2	23	2	11	2	465	2		
Wheeling, W. Va	Feb. 6	38,878	9	6	1	1		3		1		2			
Do	Feb. 13	38,878	12	3		1		1		1		4			
Wichita, Kans	do	24,671						3							
Wilkes-Barre, Pa	Feb. 3	51,721	14	9				3		5		31		1	
Do	Feb. 12	51,721	16	12		1		5		4		26		1	
Wilkinsburg, Pa	Feb. 14	13,000	3	9		2		2		1		3			
Williamsport, Pa	Feb. 13	28,757	13	1								1			
Wilmington, Del	do	76,508	18		1										
Winona, Minn	Feb. 16	19,714	1												
Woburn, Mass	Feb. 13	14,254	4	1											
Worcester, Mass	Feb. 6	118,421	44	7	1	1		3		9		3		8	
Do	Feb. 13	118,421	43	8	3			7		6		5			
York, Pa	do	33,708		1		1		3		1					

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, January 20, 1909.]

CHOLERA.

BULGARIA.—December 31. Travelers from Russia admitted at the ports of Varna, Silistria, and Rustchuk after medical inspection and disinfection of effects. They are subject also to five days' medical supervision at their places of destination. All articles of food and animal products admitted. Vessels arriving from Russian ports having clean bills of health and no history of cholera cases on board during voyage shall be admitted to free pratique after medical inspection of crew and passengers and disinfection as prescribed above. All previous requirements are suspended.

GERMAN EMPIRE.—January 23. Decree of September 11, 1908, under which vessels arriving at German ports from Russian ports of the Black Sea and the Sea of Azov were made subject to medical inspection of crew and passengers before receiving free pratique, is suspended.

JAPAN.—December 29. The German consul-general at Seoul has suspended the sanitary police control of German vessels arriving from Moji and the port of Tschemulpo which was ordered September 9, 1908.

MALTA.—January 9. Batoom and Novorossysk no longer considered infected.

TURKEY.—January 12. Importation of hair, rags, wool, old clothing, and old newspapers again permitted.

PLAGUE.

AUSTRIA.—January 9. Arrivals from Beirut subject at Trieste to requirements of circular of August 12, which circular is based on requirements of Paris Convention of December 3, 1904.

EGYPT.—January 12. The returning pilgrimage of this year declared plague infected and subjected to plague regulations.

MALTA.—January 5. The port of Beirut declared plague infected, and vessels and passengers from said port made subject to sanitary police measures.

BARBADOS.

Reports from Bridgetown—Status of yellow fever.

Consul Martin reports, January 28, and February 3 and 5:

Since January 18, there have been 7 additional cases of yellow fever reported. Three of these were reported as fatal. The disease has spread to some extent and is now in the parish of St. Joseph.

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There has been one case in the port of Bridgetown, but the patient had spent some days in the infected district.

The number of cases in the last ten days exceeds that for any similar period since the outbreak.

February 3. Since January 28 there have been 9 cases of yellow fever reported, 5 of them being in the city of Bridgetown. This makes 26 in all.

The disease prevailing here has been pronounced yellow fever by the health authorities, and is on the increase. It has not attacked a European or American, being confined strictly to the native born, and quite largely to negroes.

BRAZIL.

Reports from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox—Smallpox epidemic under control.

Acting Assistant Surgeon Stewart reports, January 16 and 21:

Two weeks ended January 10. Vessels inspected and received bills of health: December 30 the British steamship *Newton*, for New Orleans, in cargo of coffee, with no passengers, and with 3 new members of the crew signed on while in this port; January 2, 1909, the British steamship *Tennyson*, for New York, with cargo of coffee, and 9 cabin and 27 steerage passengers from this port and no change in the crew personnel; on the same date the American schooner *Margaret Thomas*, for Port Tampa, Fla., in ballast, with no change in the crew personnel; January 4, the British steamship *Corn Exchange*, for New York, in coffee cargo, with no passengers, and with 1 new member of the crew taken on in this port; and on January 8, the British steamship *Newton Hall*, for Baltimore, with a cargo of manganese ore, no passengers, and with no change in the personnel of the crew.

Week ended January 17. Vessels inspected and received bills of health: January 12, the American *Mine Planter Col. George Armistead*, bound for San Francisco, Cal., in ballast, with no passengers and no change in the personnel (belonging to the Quartermaster Department, U. S. Army); January 12, the American *Mine Planter Major Samuel Ringgold*, for San Francisco, Cal., in ballast, with no passengers and no change in the personnel (also belonging to the Quartermaster Department, U. S. Army); and on the same date the British steamship *Afyan Prince*, for New York, in cargo of coffee, with no passengers from this port, and with one new member of the crew taken on here; January 15, the British steamship *Celtic Princess*, for New York, in coffee cargo, with no passengers, but with 17 cattlemen taken on here to care for cattle to be landed at the port of Para. No other vessels left this port bound for American ports during the week.

Mortality, city of Rio de Janeiro—Plague and smallpox.

Week ended January 3. Total estimated population, 811,443. Census population, 1907, 628,675. Total deaths, 317. No deaths due to yellow fever. Smallpox caused 36 deaths with 63 new reported cases, of which number 16 occurred in the suburbs. Plague caused 4 deaths with 7 new reported cases. At the close of the week there were in the Hospital São Sebastião 128 cases of smallpox and 18 cases

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of plague; in the Hospital Paulo Candido, 14 convalescent cases of smallpox, and in the Hospital Engenho de Dentro, 41 cases of smallpox under treatment.

Week ended January 10. Total deaths, 272. No yellow fever. Smallpox caused 24 deaths with 62 new reported cases. Plague caused 1 death with 1 new reported case. At the close of the week there were in the Hospital São Sebastião 102 cases of smallpox and 8 cases of plague; in the Hospital Engenho de Dentro, 33 cases of smallpox, and in the Hospital Paula Candido, 7 convalescent cases of smallpox.

The epidemic of smallpox may now be considered as well under control. To the end of December there were 6,545 deaths from smallpox.

Week ended January 17. Total deaths, 272. No cases nor deaths reported due to yellow fever. One death from plague with 3 new reported cases; 23 deaths from smallpox with 69 new reported cases, of which number 11 were in the suburban zone. At the close of the week there were in the Hospital São Sebastião 97 cases of smallpox and 7 of plague; in the Hospital Engenho de Dentro, 20 cases of smallpox, and in the Hospital Paula Candido, 2 convalescent cases of smallpox.

BRITISH GUIANA.

Report from Georgetown—Status of yellow fever at Paramaribo, Dutch Guiana.

Consul Clare reports, January 13:

The consular agent at Paramaribo, Dutch Guiana, states that the official report of January 13 shows 29 cases of yellow fever as having occurred since the outbreak on December 17, 1908. Of this number, 7 cases terminated fatally, 21 cases recovered, and 1 case remains under treatment. The last case was isolated January 8.

CHINA.

Reports from Shanghai—Inspection of vessels—Smallpox—Plague—Infected rats—Precautions to prevent infection of vessels—Smallpox on transport Seward—Typhus fever at Tientsin.

Acting Assistant Surgeon Ransom reports, January 5 and 12:

Week ended January 2. Supplemental bills of health issued to 3 steamships having an aggregate personnel of 403. Two of these vessels, the *Meinam* and the *Indrawadi*, were inspected in the stream, where they had been required to remain during their stay at Shanghai, immediately prior to sailing. The remaining vessel, the *Chiyo Maru*, bound to San Francisco, remained at Woosung during her stay in this port, and the communication of the vessel with Shanghai was limited to cabin passengers and a few of the European officers; hence only those leaving Shanghai proper were inspected, and this was done on board the tender for the ship at the hour of sailing.

All loading at Shanghai was carried on as much as possible by daylight.

The personnel inspected during the week amounted to 114 members of crews and 3 cabin and 11 steerage passengers.

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The weekly report of the municipal health department shows among foreigners 1 new case of smallpox and among natives 1 death from smallpox.

Plague-infected rats continue to be found, and the area over which they are distributed seems to be increasing.

The district in which the greatest number of infected rats have been found is occupied by the poorer class of natives as residences and shops, but the shops of the compradores, who furnish supplies to the shipping and the wharves, are also in this section. Infected rats have, however, been found in the heart of the business section, in which, among other concerns, the large packing establishments which prepare cargo for shipment to American and European ports are situated. They have also been found in the so-called American settlement occupied by foreigners and Chinese. In the immediate vicinity of the largest foreign hotel in Shanghai a considerable number of infected animals have been found.

Nothing is known as to the existence of plague rats in the French settlement, as the municipal health department has no jurisdiction there, and no information is obtainable as to the conditions existing at Pootung, which is across the river from the international settlement, in Chinese territory, and beyond the jurisdiction of the foreign authorities. No unusual mortality is reported among the rats in this section, but there are extensive wharves and go-downs in Pootung used both by local steamships and those bound to and from foreign ports.

Reports from Tientsin dated December 21 and 26 show that 7 cases of typhus fever were reported during the period covered by the report. This report included only the Japanese settlement. The report for the earlier period showed 1 case of typhus, the Japanese and British concessions both reporting.

Reports from Hankau for the week ended December 26 show no quarantinable diseases.

Week ended January 9. One original bill of health and 2 supplemental bills granted to 3 steamships having an aggregate personnel of 506. Among these vessels was the United States Army transport *Seward*, which was in this port for some weeks undergoing extensive repairs.

Three cases of smallpox developed among the crew of the *Seward* during the month of December, the last case occurring on December 28. During the period in which these cases were developing, the personnel of the vessel was quartered ashore, and the quarters of the crew, etc., were thoroughly repainted before being occupied. The crew was bathed and all of their effects and all of the ship's bedding were disinfected with steam before being placed on board; hence it was not considered necessary to disinfect the living quarters.

The entire personnel of the *Seward* was vaccinated by the surgeon of the vessel at the time of the development of the first 2 cases of smallpox, 44 of which showed good "takes" at my inspection of them. Those which appeared negative were revaccinated the day before the vessel sailed.

There were inspected during the week 179 members of crews, and 15 cabin and 15 steerage passengers; 56 members of crews were bathed; 211 packages of personal effects and 179 pieces of ship's bedding were steamed. Manifests were viséed for 2,260 packages of freight.

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The weekly report of the municipal health department shows among foreigners 1 new case of smallpox.

No cases of plague have been officially reported among human beings. Plague-infected rats continue to be found, and deaths from plague are said to have occurred among natives. All possible precautions are being insisted upon by this office to prevent infection of vessels bound to American ports, by means of rats or cargo.

CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, February 15:

Week ended February 13.

Vessels inspected	4
Bills of health issued	4
Members of crews inspected	114

No quarantinable diseases were reported during the week.

Report from Habana—Inspection of vessels—House and water-deposit inspection—Stegomyia calopus present.

Passed Assistant Surgeon Amesse reports, February 15:

Week ended February 13.

Vessels inspected	24
Bills of health issued	27
Members of crews of outgoing vessels inspected	1,207
Passengers of outgoing vessels inspected	1,293

All sanitary measures which originated with the provisional government are being carried out by the new government. There has been a considerable change in the personnel.

During the week 10,260 premises were inspected in Habana, resulting in the discovery of only 12 deposits of the larvæ of *Stegomyia calopus*.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, February 15:

Week ended February 13.

Bills of health issued to 8 vessels leaving for United States ports. No quarantinable diseases were reported during the week.

Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, February 9:

Week ended February 6. Bills of health issued to 4 vessels, bound for the United States. No quarantinable disease was reported.

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GERMANY.

Report from Berlin—Status of cholera in Russia.

The following is received from Consul-General Thackara, under date of February 8:

During the week ended January 16 there were registered in the city of St. Petersburg 178 fresh cases of cholera (with 46 deaths), 2 cases in the city of Cronstadt, 6 cases and 4 deaths in Tomsk, and in the Don territory 20 cases (7 deaths), making a total of 206 cases and 57 deaths. According to a supplementary report, the total number of cases of cholera registered in the Russian Empire during the week amounted to 122, with 54 deaths.

GUATEMALA.

Report from Guatemala City—Epidemic smallpox.

Consul Kent reports, February 10:

Smallpox exists in epidemic form in this city and throughout the Republic. There are no official reports made of the number of cases and deaths. When the disease became widely diffused the Government compelled general vaccination, but after many thousands of persons had been vaccinated the vigilance of the authorities relaxed and the disease is again reported as widespread.

INDIA.

Reports from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Eakins reports, January 21 and 28:

During the week ended January 16 a bill of health was issued to the steamship *Rotenfels*, bound for Boston and New York, with a total crew of 68, and to the steamship *Sutlej*, bound for Habana, Cuba, with a total crew of 88, and 860 emigrants for the West Indies. The usual precautions were taken, the holds fumigated, rat guards placed on the wharf lines on the former vessel, and the Asiatics' effects disinfected.

Week ended January 23. Bill of health issued to the steamship *Angola*, bound for Galveston, with a total crew of 31, and to the steamship *Trantenfels*, bound for Boston and New York, with a total crew of 57. The usual precautions were taken, the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

Week ended January 9. At Calcutta, there were 11 deaths from cholera, 14 from plague, and 31 from smallpox. In Bengal, 201 cases and 179 deaths from plague. In India, 2,606 cases and 2,155 deaths from plague.

Week ended January 16. At Calcutta, 15 deaths from cholera, 18 from plague, and 117 from smallpox. In Bengal, 220 cases of plague with 188 deaths. In India, 2,530 cases of plague with 1,991 deaths.

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Report on plague in Calcutta during the year 1908—General plague conditions—Precautions against infection by rats.

The following is received from Consul-General Michael, under date of January 14:

The history of plague in Calcutta dates back to 1896, a period of only twelve years, and officially to 1898. During that period it has carried off over 60,000 victims notwithstanding the strenuous efforts of the plague department of the Calcutta corporation to organize measures for stamping out the disease.

The report by the special health officer to the corporation for the year ended June 30, 1908, states that the plague mortality for the year was the lowest on record since plague first visited this city. A striking feature of this report is the statement of the fact that the virulence of the disease suddenly subsided at the height of the epidemic. This will be better understood when it is explained that there are two well-defined periods, the "quiescent" and the "active." The latter extends from March to June; and it was in April, 1908, that there was a sudden cessation in its virulence.. The health officer accounts for this as follows: "The reduced mortality seems to have been due to the lessened severity of the outbreak and not to an equal reduction in mortality throughout the successive stages of the recrudescence."

During the period of the year when Calcutta is comparatively free from plague the disease has in most years been rife in some of the provincial towns. This goes to show that Calcutta is not the infecting center and that the annual recrudescence commences earlier in certain provincial areas than it does in this city. During the past year, for example, the disease developed severely in Saran, Shahabad, Mozafferpur, Patna, and Monghyr for many weeks in advance of Calcutta. This is borne out by the fact that the number of cases imported into the city was as large during the "quiescent" period as in the "active." The impression, therefore, that the officers of the plague department are occupied only during the "active" period is founded upon a misconception of their duties. Their inquiries into the causes of all deaths occurring in the city, except hospital cases and deaths from cholera and smallpox, continue steadily throughout the year. With the heightened mortality of the plague their work increases, and it becomes necessary to appoint other temporary officers to meet the situation. The work of disinfection is now carried on very thoroughly, but there was little difference in the incidence of plague throughout the city during the past year as compared with previous outbreaks. The northern half of the city was, as usual, much more severely attacked than other portions, but the report says, "not a ward in the city escaped. The southern wards were proportionately less affected than previously, but there was the same tendency for certain wards to be attacked as before."

The tables relating to the incidence of the disease throw a curious light on the indiscriminate nature of the attacks. "From 20 to 60 years," says the report, "there seems to be an equal susceptibility to the disease. Youth is a small protection, but old age none. The mortality is greater at the extremes of life, and especially in old age." The "caste" tables show that Hindus are more susceptible to the disease than Mohammedans and Christians, the deaths being 1,458, 345, and 5, respectively.

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An important step taken during the past year was a decision to compel the owners of grain go-downs to pave their floors in order to prevent the ingress of rats. The committee appointed by the local government to revise the Calcutta building regulations recommended that the floors of all warehouses used for the storage of articles intended for human consumption should be paved with some impermeable material. This recommendation was carried out during the year under report. There is now some hope that rats will be excluded from these centers of infection.

ITALY.

Report from Naples—Inspection of vessels and examination of emigrants at Naples and Genoa—Smallpox at Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, February 2:

Vessels inspected at Naples and Genoa, week ended January 30.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Jan. 24	Barbarossa	New York	973	80	1,350
25	Italia	do			
25	Ancona	Philadelphia	1,141	70	1,650
27	Canopic	Boston	1,104	45	1,280
28	Snowdonian	New York			
28	Hamburg	do	882	90	1,450
28	Indiana	do	1,255	70	1,520
	Total		5,355	355	7,250

GENOA.

Jan. 24	Duca di Genova	New York	1,259	50	930

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Jan. 24	Barbarossa	29	2	14	1	4	50
25	Italia						
25	Ancona	25	3	16	1	10	55
27	Canopic	25	3	8		4	40
28	Snowdonian						
28	Hamburg	20	2	16	1	3	42
28	Indiana	28	2	8		8	44
	Total	125	12	62	3	29	231

GENOA.

Jan. 24	Duca di Genova	24	2	14		5	45

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Smallpox in Naples.—During the week ended January 31, 29 cases of smallpox and 8 deaths were reported at the health office of the city of Naples. Total number reported during month of January, 1909, 125 cases, 17 deaths. From the time of the introduction of the disease from Marseille, June 13, 1908, the total number of cases has been 392, with 59 deaths.

Status of smallpox in Italy.—Week ended January 31.

Province of Aquila (Pescina), 1 case. Novara (Collobiano), 1 case, Brescia (Quinzanello), 1 case.

JAPAN.

Report from Kobe—Inspection of vessels—Summary of plague at Osaka and Hiogo in 1908—Plague at Nishinomiya—Plague rats.

Acting Assistant Surgeon Knight reports, January 26:

During the week ended January 23 supplemental bills of health were granted to 4 steamships. There were inspected 188 members of crews and 4 steerage passengers. Twenty-seven members of crew were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 34. Manifests were viséed for 41,346 pieces of freight, amounting to 3,311 tons.

There were 2 cases of plague with 2 deaths in Kobe January 20.

The annual report of the health department of the Japanese Government for the year 1908 shows that in the Kobe consular district there was a total of 80 cases of plague in the Osaka prefecture. The latest reported were 2 cases and 1 death December 22, 1908.

Total cases of plague at Hiogo prefecture, 255; Nara prefecture, 16; and Tokushima prefecture, 1. Plague rats during the last year: In Osaka prefecture found, 4,168; in Hiogo prefecture found, 2,047; and in Nara prefecture found, 56.

The last case of plague reported in Nishinomiya was a single case January 6, 1909. There was reported a total of 53 cases of plague; total deaths, 47; rats caught, 13,500; rats examined, 5,078; plague rats found, 130. Quarantine has been removed, and the town is now free from plague.

MEXICO.

Report from Mexico City—Yellow fever at Merida and in vicinity.

The following is received from Dr. Eduardo Liceaga, president of the superior board of health of Mexico, under date of February 10:

During the week ended February 6, 1 death from yellow fever was reported at the city of Merida, and 1 case, 1 death at Ticul, 75 kilometers distant from Merida.

PERU.

Reports from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Smallpox at Lima—Plague at Callao—Plague at Iquique, Chile.

Acting Assistant Surgeon Gutierrez reports, January 23 and 31:

Week ended January 16. Two steamships and one American schooner were fumigated. They carried an aggregate personnel of 156 members of crews, and 79 cabin and 48 steerage passengers.

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The following is the latest report on plague in Peru received from the Director de Salubridad Publica:

Locality.	Cases Jan. 1.	New.	Recovered.	Died.	Remaining Jan. 14.
Lima	9	5	6	2	6
Callao		5		1	4
Trujillo (city)	43	5	12	9	39
Trujillo (country)		12			
San Pedro	11	3	2	3	9
Chepen	3	1	2		2
Chiclayo	1	7	1	2	5
Ferreñafe	1				1
Mollendo	2	1			3
Paita	1		1		
Motupe	1	1			2
Piura	2	1		1	2
Catacaos	3	1			4
Chota	8				8
Zaña	1				1

Three cases of smallpox were isolated in the lazaretto at Lima January 16. In Callao there are no new cases.

Since my last report 5 cases of plague with 3 deaths have occurred at Callao. There have been 10 cases during this month.

Bills of health report 5 cases of plague in the lazaretto at Iquique, Chile. There have been 5 cases and 1 death in two weeks.

Week ended January 23. Bills of health were issued to 5 vessels with an aggregate personnel of 255 members of crew and 126 cabin and 42 steerage passengers. Three of those vessels were fumigated.

Bills of health at Iquique, January 17, report 10 cases of plague in the lazaretto, 6 cases in two weeks.

Since my report of January 3, 3 new cases of plague with 2 deaths have occurred at Callao. There have been 13 cases of plague during the month of January.

PHILIPPINE ISLANDS.

Report from Manila—Quarantine transactions in the islands during the month of November, 1908.

Chief Quarantine Officer McClintic reports, December 28:

Quarantine transactions of the service in the Philippine Islands during the month of November, 1908.

PORT OF MANILA.

Bills of health issued	306
Vessels inspected	90
Passengers on arriving vessels inspected	2,528
Persons vaccinated	250
Members of crews on arriving steamships inspected	5,117
Members of crews on arriving sailing vessels inspected	6
Persons quarantined for observation, suspects and contacts	63
Persons bathed and effects disinfected	394
Persons remaining in quarantine from October	35
Persons in quarantine	98
Vessel remaining in quarantine from October	1
Vessels in quarantine	2
Steamship disinfected	1
Steamships partially disinfected	2
Steamships fumigated to exterminate vermin	5

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	0
Cases of quarantinable diseases detected on vessels	0
Pieces of baggage disinfected	639
Pieces of baggage inspected and passed	102
Steamships sailing without quarantine, inspected and passed	31
Vessel disinfected	3
Members of crews on vessels inspected	1,168
Passengers on vessels inspected	724
Members of crews bathed and effects disinfected	178
Passengers bathed and effects disinfected	400
Cases of quarantinable diseases detected among persons in detention	
Pieces of baggage disinfected	1,194
Pieces of baggage inspected and passed	1,841
Pieces of miscellaneous cargo certified	37,831

PORT OF ILOILO.

Bills of health issued	8
Vessels inspected	17
Passengers on arriving vessels inspected	487
Members of crews on arriving steamships inspected	929

PORT OF CEBU.

	2
Bills of health issued	16
Vessels inspected	85
Passengers on arriving vessels inspected	1,186
Members of crews on arriving steamships inspected	2,758
Members of crews on arriving sailing vessels inspected	00
Persons bathed and effects disinfected	120
Persons detained in quarantine	532
Persons vaccinated	1 3
Steamships disinfected	1
Steamship fumigated to exterminate vermin	1
Sailing vessel fumigated to exterminate vermin	6
Vessels entering quarantine	0
Cases of quarantinable diseases detected on vessels	370
Pieces of baggage disinfected	53
Pieces of baggage inspected and passed	

PORT OF CAVITE.

Bills of health issued	6
Vessels inspected	4
Passenger on arriving vessel inspected	1
Members of crews on arriving steamships inspected	1,200

Port of Olongapo. No transactions.
Port of Davao. No transactions.

PORT OF ZAMBOANGA.

Vessels inspected	5
Passengers on arriving vessels inspected	119
Members of crews on arriving steamships inspected	266
Members of crews on arriving sailing vessels inspected	14

PORT OF JOLO.

Vessels inspected	7
Passengers on arriving vessels inspected	116
Members of crews on arriving steamships inspected	350

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RUSSIA.

Report from Libau—Status of cholera in Russia—Typhus fever spreading in government of Moscow—Examination of emigrants.

Acting Assistant Surgeon De Forrest reports, February 1:

Reports of cholera received from St. Petersburg for the week ended January 29 show for the 5 days from January 25 to 29, 135 cases with 49 deaths. Cholera was also reported from the district of Bronnitza, in the government of Moscow, with 8 cases and 5 deaths from January 13 to 27. At Novo Tscherkask from January 14 to 28, 18 cases were reported, and at Wosnessenskja, January 30, 4 cases with 2 deaths.

Typhus fever is spreading in the government of Moscow.

A steamship leaves Libau for New York February 9, with about 700 passengers. Of these 50 have been already examined.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Transvaal—Johannesburg.*—Two weeks ended January 9, 1909. Estimated population, 180,687. Total number of deaths, 180, including enteric fever 8, and 29 from tuberculosis.

AZORES—*St. Michaels.*—Month of November, 1908. Estimated population, 131,183. Total number of deaths, 231, including enteric fever 4, scarlet fever 2, and 9 from tuberculosis.

Month of December, 1908. Total number of deaths, 239, including enteric fever 1, scarlet fever 1, whooping cough 1, and 7 from tuberculosis.

BRAZIL—*Ceara.*—Month of December, 1908. Estimated population, 50,000. Total number of deaths, 103, including enteric fever 3, whooping cough 2, and 13 from tuberculosis.

São Paulo, Santos, and Campinas.—Three weeks ended December, 27, 1908. Estimated population, 300,000. Total number of deaths, 609, including measles 6, enteric fever 3, smallpox 12, whooping cough 3, diphtheria 1, and 39 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended January 30, 1909, correspond to an annual rate of 18.0 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand six hundred and fifty-three deaths were registered during the week, including measles 82, scarlet fever 7, diphtheria 16, enteric fever 3, whooping cough 29, tuberculosis 180, and 10 from diarrhea. The deaths from all causes correspond to an annual rate of 17.8 per 1,000. In greater London 2,263 deaths were registered. In the "outer ring" the deaths included 5 from measles, 5 from diphtheria, enteric fever 3, and 4 from whooping cough.

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Ireland.—The average annual death rate represented by the deaths registered during the week ended January 30, 1909, in the 21 principal town districts of Ireland was 22.5 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Ballymena, viz, 4.8, and the highest in Dundalk, viz, 47.9 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended January 30, 1909, correspond to an annual rate of 17.2 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 18.5 and the lowest in Leith, viz, 11.6 per 1,000. The aggregate number of deaths registered from all causes was 616, including diphtheria 10, scarlet fever 4, whooping cough 34, and measles 1.

MALTA.—Two weeks ended January 30, 1909. Estimated population, 209,974. Total number of deaths, 207, including enteric fever 2, and 13 from tuberculosis.

NEW ZEALAND—*Auckland.*—Month of November, 1908. Estimated population 73,032. Total number of deaths, 52, including enteric fever 1, scarlet fever 1, and 3 from tuberculosis.

Wellington.—Month of November, 1908. Estimated population 70,947. Total number of deaths, 40, including 4 from tuberculosis.

Christchurch.—Month of November, 1908. Estimated population 59,544. Total number of deaths, 49, including diphtheria 1, and 4 from tuberculosis.

Dunedin.—Month of November, 1908. Estimated population 59,495. Total number of deaths, 41, including measles 2, and 6 from tuberculosis.

TERRITORY OF HAWAII.—Report for the twelve months ended June 30, 1908. Official population 1900, 154,001. Total number of deaths, 2,760, including bubonic plague 7, cholera 1, diphtheria 12, measles 19, enteric fever 124, leprosy 41, and 351 from tuberculosis.

VENEZUELA—*Maracaibo.*—Two months ended January 26, 1909. Estimated population 49,817. Total number of deaths, 103, including tuberculosis 20, enteric fever 6, and 1 from diphtheria.

WEST INDIES—*Jamaica*—*Kingston.*—Month of January, 1909. Estimated population, 52,065. Total number of deaths, 161, including enteric fever 2, and 18 from tuberculosis.

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Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to February 26, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15–Dec. 5	12	10	
China:				
Hongkong	Dec. 28–Jan. 2	1	1	
India:				
Bombay	Dec. 9–Jan. 26		73	
Calcutta	Nov. 1–Jan. 16		111	
Madras	Nov. 14–Jan. 8		50	
Negapatam	Oct. 31–Nov. 6		1	
Rangoon	Nov. 8–Jan. 16		12	
Indo-China—Cholen	Nov. 9–15	1	1	
Persia:				
Tabriz	Oct. 9–Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1–Jan. 2	84	56	Third quarter, 1908, 678 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1–Jan. 12	258	160	
Bataan	Nov. 1–7	1	1	
Bohol	Dec. 20–Jan. 12	60	37	
Bulacan	Nov. 1–Dec. 19	81	67	
Cagayan	Nov. 1–Jan. 12	109	64	
Capiz	Nov. 1–Jan. 2	908	495	
Cavite	Nov. 1–Jan. 12	73	56	
Cebu	Dec. 20–Jan. 12	12	8	
Ilocos Norte	Nov. 1–Jan. 12	331	231	
Ilocos Sur	Nov. 1–Jan. 2	207	140	
Iloilo	Nov. 1–Jan. 12	292	153	
La Laguna	Nov. 1–Jan. 12	71	46	
Leyte	Nov. 1–Jan. 12	142	121	
Negros Occidental	Nov. 1–Jan. 2	261	166	
Palawan	Nov. 1–Dec. 19	10	5	
Pampanga	Nov. 1–28	3	3	
Rizal	Nov. 1–Jan. 12	205	184	
Samar	Nov. 1–Dec. 26	140	98	
Surigao	Nov. 15–Jan. 12	7	4	
Union	Nov. 1–Jan. 12	12	8	
Zambales	Dec. 6–12	3	3	
Russia, general	Nov. 15–Jan. 23	3,402	1,434	Dec. 1, 8 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Amolinsk	Nov. 15–Dec. 19	29	13	
Bakoo	Nov. 22–28	3	2	
Batoom	Nov. 15–21	4	2	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Jan. 23	177	89	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Helsingfors	Jan. 10	2		In vicinity.
Kerson	Nov. 15–Dec. 19	2		
Kharkov	Dec. 6–12	1		
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1		
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–12	2	2	
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3		
Samara gov't dist.	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	
Semipalatinsk, territory of	Dec. 19–26	1		
Stavropol	Nov. 15–21	1		
St. Petersburg, government	Nov. 15–Dec. 12	11	3	
St. Petersburg	Nov. 29–Jan. 23	1,230	415	Jan. 29, still present.
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 23	102	48	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Tver, district	Nov. 15–Dec. 5	4		
Volgoda	Dec. 6–12	1		
Yelisavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–30			Present.
Straits Settlements:				
Singapore	Nov. 8–Jan. 9		145	

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Barbados:				
Bridgetown	Dec. 12–Feb. 5	26	5	Dec. 27–Jan. 15, 9 cases and 4 deaths in parish of St. Lucy and 1 case in parish of St. Andrew. Feb. 5, present in St. Joseph Parish.
Brazil:				
Bahia	Nov. 15–Jan. 16	53	18	Feb. 1. Epidemic.
Manaos	Nov. 29–Dec. 19		8	
Para	Nov. 22–Jan. 30	27	27	
Pernambuco	Nov. 15–30		1	
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1–2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 11	29	7	
Ecuador:				
Guayaquil	Nov. 29–Jan. 30		15	
Martinique:				
Fort de France	Dec. 13–Jan. 30	3	1	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–Feb. 6	13	7	
San Bernardo plantation	Dec. 27–Jan. 30	4	2	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Ticul	Feb. 1–6	1	1	
Veracruz	Dec. 6–Jan. 30	12	5	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Australia:				
Brisbane	Nov. 1–7	1	1	
Brazil:				
Bahia	Nov. 15–Jan. 9	23	12	Feb. 1. Epidemic.
Para	Jan. 24–30	1	1	
Pernambuco	Nov. 1–Dec. 31		10	
Rio de Janeiro	Nov. 16–Jan. 17	57	29	
Chile:				
Iquique	Nov. 22–Jan. 17	18	3	
China:				
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–Jan. 2	2	2	
Tientsin	Oct. 18–Nov. 21			Still present.
Tongshan	Nov. 1–14			Present.
Ecuador:				
Guayaquil	Nov. 29–Jan. 30		17	
Milagro	Nov. 17–Dec. 12	17	8	Dec. 19, still present.
Egypt:				
Alexandria	Nov. 14–Dec. 4	3		
Port Said	Dec. 4	1		
Provinces—				
Assiout	Dec. 2–Jan. 1	3	3	
Beherach	Nov. 24–Dec. 26	11	6	
Galyoobeeyeh	Nov. 21–Jan. 6	2		
Garbieh	Nov. 27–Jan. 14	4	2	
Girgeh	Oct. 18–Dec. 30	4	3	
Fayoum	Nov. 23–Dec. 1	1	1	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Dec. 29	1		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay Presidency and Sind.	Nov. 2-Jan. 9	10,519	7,444	
Madras Presidency	Nov. 2-Jan. 9	634	475	
Bengal	Nov. 2-Jan. 9	1,261	1,064	
United Provinces	Nov. 2-Jan. 9	1,164	985	
Punjab	Nov. 2-Jan. 9	4,691	3,904	
Burma	Nov. 2-Jan. 9	1,129	1,093	
Central provinces, including Berar.	Nov. 2-Jan. 9	1,818	1,356	
Coorg	Nov. 2-Dec. 17	5	3	
Mysore State	Nov. 2-Jan. 9	1,845	1,301	
Hyderabad State	Nov. 2-Jan. 9	343	285	
Central India	Nov. 2-Jan. 9	555	438	
Rajputana	Nov. 2-Jan. 9	767	752	
Grand total		24,781	19,100	
Indo-China:				
Cholen	Oct. 25-Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25-Dec. 26	8	7	
Japan:				
Formosa	Nov. 8-Jan. 16	28	11	Jan. 16, 5 cases in Kagi prefecture.
Hiogo				Year 1908, 219 cases additional.
Kobe	Jan. 20	2	2	
Nara				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases.
Osaka	Dec. 22	2	1	Year 1908, 59 cases additional.
Mauritius	Oct. 2-Nov. 28		64	
Peru:				
Callao	Nov. 13-Jan. 14	10	1	Jan. 23, still present.
Catacaos	Dec. 11-Jan. 14	4		
Chepen	Nov. 27-Jan. 14	10	2	
Chiclayo	Nov. 13-Jan. 14	16	8	
Eten	Nov. 13-Dec. 31	11	10	
Ferrenafe	Nov. 13-Dec. 24	9	3	
Lima	Nov. 13-Jan. 14	34	10	
Mollendo	Nov. 13-Jan. 14	6	2	
Monsefu	Nov. 13-Dec. 24	7	2	
Motupe	Dec. 17-Jan. 14	2		
Oyotun, plantation	Nov. 20	4		
Paita	Dec. 11-17	3	2	
Piura	Dec. 11-Jan. 14	6	4	
San Jose (Lambayeque)	Nov. 13-Dec. 3	2		
San Pedro	Nov. 13-Jan 14	23	16	
Trujillo	Nov. 13-Jan. 14	104	43	
Siam:				
Bangkok	Sept. 27-Oct. 24	5	1	Present in November.
Straits Settlements:				
Singapore	Nov. 30-Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6-Jan. 16	37	12	
Beirut	Dec. 17-Jan. 9	5	5	
Jiddah	Dec. 12-Jan. 24	9	9	Feb. 3, still present.
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1-15		29	Imported.
Arabia:				
Aden	Nov. 25-Jan. 18		52	
Argentina:				
Buenos Aires	Oct. 1-31		1	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1		
Austria:				
Galicia	Dec. 20-Jan. 23	8		
Silesia	Jan. 3-9	1		
Brazil:				
Bahia	Nov. 15-Jan. 16	225	16	
Pernambuco	Nov. 1-Dec. 31		62	
Rio de Janeiro	Nov. 16-Jan. 17	1,165	563	
Santos	Nov. 1-Dec. 20		10	
São Paulo	Nov. 1-Dec. 27		36	
British Honduras	Feb. 5-11			Present at Stann Creek, 32 miles south of Belize.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
British South Africa:				
Cape Town	Dec. 28–Jan. 2	4		
Canada:				
British Columbia—				
Vancouver	Dec. 1–31	1		
Victoria	Dec. 12	25	4	
Manitoba—				
Winnipeg	Dec. 20–Jan. 11	5		
Ontario, Province, general	Dec. 1–31	118		
Hamilton	Jan. 17–23	1		
Toronto	Nov. 8–23	7		
Nova Scotia—				
Halifax	Dec. 13–Feb. 13	43		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1–Feb. 20	26		And vicinity.
Quebec—				
Montreal	Dec. 26–Jan. 2	1		
Ceylon:				
Colombo	Nov. 1–21	62	13	
Chile:				
Talcaguana	Nov. 20–Jan. 2			Present in vicinity.
Valparaiso	Dec. 6–12	1		
China:				
Amoy	Oct. 11–Nov. 8		2	Dec. 19, still present.
Shanghai	Nov. 11–Jan. 10	4	1	3 cases Nov. 11–Dec. 28 from U. S. transport Seward.
Cuba:				
Habana	Dec. 26–Jan. 19	3		Case Dec. 26 on s. s. Floride; case Jan. 19 on s. s. Alfonso XIII.
Egypt, general	Nov. 12–Jan. 14	431	109	
Alexandria	Nov. 26–Jan. 14	13	7	
Cairo	Nov. 19–Jan. 21	157	69	
France:				
Marseille	Dec. 1–Jan. 31		2	
Paris	Nov. 22–Jan. 16	22	1	
Germany, general	Nov. 19–Jan. 30	16		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22–Jan. 2		4	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–Feb. 6	11	2	
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25–Jan. 26		39	
Calcutta	Nov. 1–Jan. 16		256	
Madras	Nov. 28–Jan. 22		3	
Rangoon	Nov. 22–Jan. 9		7	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–Jan. 9	10	7	
Italy, general	Nov. 30–Feb. 7	143		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–30	2		
Genoa	Dec. 1–Jan. 15	3		
Latrinole	Jan. 15–21	2		
Naples	Dec. 7–Jan. 31	186	37	Jan. 18, 1 case on s. s. Europa.
Polesella	Dec. 1			Epidemic.
Japan:				
Formosa	Nov. 29–Jan. 16	10		
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–Jan. 9	30	3	
Malta	Nov. 22–Jan. 23	2		Case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17–23	1		
Mexico:				
Acapulco	Jan. 11–24	10		
Guadalajara	Jan. 7–Feb. 11	5		
Mexico City	Nov. 8–Jan. 23		61	
Monterey	Jan. 4–Feb. 14	6	6	
Salina Cruz	Jan. 1–15	5		
Tehuantepec	Jan. 28–Feb. 3			Present.
Veracruz	Dec. 13–Jan. 9	3	2	
Yucatan (Camp Mengel)	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Netherlands, The:				
Rotterdam	Jan. 10-16	1		
Newfoundland				Feb. 9, epidemic on south coast.
St. Johns	Jan. 10-Feb. 6	6		From s. s. Portia.
Norway:				
Bergen	Jan. 24-30		2	
Christiania	Nov. 22-28	1	1	
Paraguay:				
Asuncion	Dec. 20-26			Present.
Persia:				
Hamadan	Oct. 2-Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1-31			Do.
Sultanabad	Oct. 1-31			Do.
Tabriz	Oct. 2-8			Do.
Trebizond	Jan. 16			Do.
Teheran	Sept. 18-Oct. 28		17	
Peru:				
Lima	Nov. 22-Dec. 31	11		Jan. 16, 3 cases in the lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-Jan. 12	10	5	Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-Jan. 30	17		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1-31	1		
Moscow	Nov. 29-Jan. 30	174	74	
Odessa	Jan. 3-23	19	8	
Riga	Nov. 29-Jan. 30	7		
St. Petersburg	Nov. 15-Jan. 23	60	20	
Warsaw	Nov. 1-Dec. 19		35	
Servia:				
Belgrade	Dec. 6-12	2		
Siam:				
Bangkok	Nov. 1-30			Present.
Siberia:				
Vladivostok	Dec. 14-20	1		
Spain:				
Barcelona	Dec. 6-Feb. 23		14	
Cartagena	July 1-31		15	
Madrid	Nov. 1-Jan. 31		35	
Valencia	Nov. 29-Jan. 30	28	8	
Vigo	Nov. 30-Jan. 30		7	
Straits Settlements:				
Singapore	Dec. 28-Jan. 2		1	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bassorah	Jan. 3-23			Do.
Smyrna	Oct. 7-Dec. 31		58	Jan. 5, epidemic.
Turkey in Europe:				
Constantinople	Dec. 7-Feb. 7		47	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Jan. 30	178,210										2	1	5
Aden	Jan. 11	43,794	41	1				1						
Do	Jan. 18	43,794	38	7				4					1	1
Aguascalientes	Feb. 7	40,000	54						3					1
Aix-la-Chapelle	Jan. 16	159,436	59	6									2	1
Amsterdam	Jan. 23	565,601	165	26						2		2	4	3
Do	Jan. 30	565,601	134	23								2	2	1
Antwerp	Jan. 23	312,571	96	7							1	1		
Asuncion	Dec. 26	75,000	20	2						1				
Athens	Jan. 23	241,058	86	20						1				
Barmen	Jan. 16	161,100	51	4									3	
Do	Jan. 23	161,100	48	2									9	
Barranquilla	...do	40,000	17	3										
Do	Jan. 30	40,000	16											
Basel	Jan. 23	131,000	32	6									2	
Do	Jan. 30	131,000	29	4							2	1		
Belfast	...do	386,576	146	22						2		1	1	1
Belgrade	Jan. 23	80,000									1	1		
Belize	Feb. 4	9,113	7	1										
Berlin	Jan. 16	2,112,827	635	92						1	4	10	9	5
Birmingham	Jan. 30	558,336	180								1	1	11	7
Bombay	Jan. 19	977,822	581	48	17	1		5					2	
Bordeaux	Jan. 30	253,000	140	20								3	1	1
Bremen	Jan. 23	233,751	82	5								3	4	
Do	Jan. 30	233,751	52	7								5		
Bridgetown	Jan. 31	200,000					3							
Bristol	Jan. 30	377,642	106									2		
Brussels	Jan. 23	693,720	216	17						1	1	1		1
Cairo	Jan. 14	692,657	378	26				16	4	2		9		
Calcutta	Jan. 9	847,796	482	25	14	11		31						
Cardiff	Jan. 23	195,303	48	9										
Do	Jan. 30	195,303	48	4								1		
Chemnitz	Jan. 16	270,947	91	9							1			2
Do	Jan. 23	270,947	97	7									1	
Christiania	...do	237,000	62									2		1
Cienfuegos	Jan. 31	37,000	13	2										
Do	Feb. 6	37,000	12	1										
Coburg	Jan. 23	23,470	10	1										
Cognac	Jan. 30	19,483	4	1										
Cologne	Jan. 16	467,214	172	18								6	2	2
Do	Jan. 23	467,214	142	20							3	6	3	1
Colon	Jan. 31	16,000	6	1										
Copenhagen	Jan. 16	447,000	156	16									2	3
Damascus	...do	250,000	45											
Do	Jan. 23	250,000	50											
Dresden	...do	545,100	168	23						1		2	3	2
Durban	Jan. 9	60,972	9											
East London	Dec. 26	49,253	7							1				
Do	Jan. 2	49,253	3											
Edinburgh	Jan. 30	355,366	116	18							1	1		
Erfurt	Jan. 16	107,555	39	1							1	3	1	
Do	Jan. 23	107,555	35	5							1	2		1
Fiume	Jan. 31	50,011	49	15										
Flushing	Jan. 30	21,200	6											
Fort de France	Jan. 16	27,069	7											
Do	Jan. 23	27,069	15				1							
Do	Jan. 30	27,069	18											
Frankfort-on-the-Main	Jan. 16	362,600	81									1	3	
Do	Jan. 23	362,600	87								1	1		
Ghent	...do	161,579	60	6									1	
Gibraltar	Jan. 31	26,830	9											
Glasgow	Feb. 5	872,021	301							3	2	7		26
Gothenburg	Jan. 23	162,200	51	8								4		1
Do	Jan. 31	162,200	49	9										
Greenoch	Jan. 30	72,300	20											
Guadalajara	Feb. 4	125,000	68											
Halifax	Feb. 6	40,787	15									2		
Hamburg	Jan. 30	872,252	263	28						1	5	6	1	4
Hamilton, Bermuda	Feb. 8	20,206	4											
Hongkong	Jan. 2	315,616	8		1	1						1		
Hull	Jan. 30	275,552	100									1	5	3
Königsberg	Jan. 16	237,600	82	16							2			1
Leeds	Jan. 30	484,012	180	14						1		1	1	

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Leipzig	Jan. 23	537,686	128	20							2	3		
Leith	Jan. 30	85,721	19											
Liege	Jan. 23	175,870	45	1										
Liverpool	Jan. 30	760,357	327	29							5	2	4	4
London	...do	4,833,938	1,653	180						3	7	16	82	23
Lübeck	Jan. 23	96,000	30	5										
Lyons	...do	472,114	213	37						1		2		
Madras	Jan. 8	509,346	367			1		1					1	
Do	Jan. 15	509,346	414										1	
Magdeburg	Jan. 23	250,494	88	11							3	3	1	
Manchester	Jan. 30	655,435	301	37						5	4	4	11	6
Mannheim	Jan. 16	181,612	42	10										
Matamoros	Feb. 6	8,600	1											
Mazatlan	Jan. 23	22,000	16											
Do	Jan. 30	22,000	6											
Moncton, N. B	Jan. 2	13,500	2											
Do	Jan. 8	13,500	7	1										
Monterey	Feb. 7	100,000	68	3				1	1					
Montreal	Feb. 6	378,856	143	18						8	2	1	3	1
Moscow	Jan. 23	1,335,104	842	127		1		15	6	3	20	14	8	5
Nagasaki	Jan. 10	173,118	41									1		
Do	Jan. 17	173,118	25									1		
Nantes	Jan. 31	161,908	81	10							1			
Newcastle-on-Tyne	Jan. 23	281,584	102							1		3	2	2
Do	Jan. 30	281,584	111							1		2	5	2
Nottingham	Jan. 23	260,000	103							3			5	2
Nuevo Laredo	Feb. 6	8,000		1										
Nuremberg	Jan. 16	316,180	116	11							3	2	4	2
Ottawa	Jan. 30	80,200	31											
Do	Feb. 6	80,200	25											
Penang	Jan. 2	102,520	83	20						1				
Plymouth	Jan. 30	124,180	36							1			1	1
Port Elizabeth	Jan. 16	32,959	15	3										1
Prague	Jan. 2	229,571	134	24						2	1	1		
Do	Jan. 9	229,571	122	22						2	2	3		
Do	Jan. 16	229,571	117	24							1	1		
Progreso	Jan. 30	5,000	7											
Queenstown	...do	7,684	4										1	
Rangoon	Jan. 9	252,155	174	5	12	1		3						
Rio de Janeiro	Jan. 3	811,443	317	56	4			36		4				
Do	Jan. 10	811,443	272	60	1			24		1		1	3	
Do	Jan. 17	811,443	272	54	1			23					2	2
Rotterdam	Jan. 30	411,629	129							1	3			
Saigon	Jan. 2	208,000						1						
St. Johns, N. B	Feb. 6	40,711	12											
Do	Feb. 13	40,711	16	2								1		
St Petersburg	Jan. 16	1,678,000	975	149		55		2	2	21	28	24	17	11
San Feliu de Guixols	Jan. 30	11,094	3	1										
Santiago de Cuba	...do	45,497	12	1										
Do	Feb. 6	45,497	18	3										
Santos	Dec. 20	75,000	39					1						
Schiedam	Jan. 9	31,193	12											
Do	Jan. 16	31,193	16											
Do	Jan. 23	31,193	8											
Do	Jan. 30	31,193	15											
Shanghai	Jan. 2	544,500	132	15				1			3			
Sheffield	Jan. 23	440,000	171	15						1	2		11	2
Do	Jan. 30	440,000	170	18						3	2	2	18	3
Singapore	Dec. 26	260,000	261	22		16				1				
Do	Jan. 2	260,000	266	38		25		1		3				
Southampton	Jan. 30	124,667	43	4										1
South Shields	Jan. 23	117,627	36	8								1		
Do	Jan. 30	117,627	33	6								1		1
Stettin	Jan. 23	230,000	83	9							1	5	2	
Stockholm	Jan. 16	337,460	80	19										
Suez	Dec. 31	19,786	12											
Do	Jan. 7	19,786	11											
Do	Jan. 14	19,786	8											
Do	Jan. 21	19,786	4											
Sunderland	Jan. 23	159,137	51									2	7	1
Do	Jan. 30	159,137	72	11							1	2	7	
Tegucigalpa	Feb. 2	24,000	5											

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Trieste	Jan. 16	216,680	113	....	....	....	....	....	....	....	1	1	....	....
Do	Jan. 23	216,680	85	....	....	....	....	....	....	....	1	....	....	....
Venice	Jan. 9	176,815	97	3	....	....	....	....	....	....	....	....	....	....
Do	Jan. 16	176,815	112	8	....	....	....	....	....	....	....	....	....	....
Veracruz	Jan. 16	32,000	32	4	....	....	....	....	....	....	....	....	....	....
Do	Jan. 23	32,000	37	9	....	....	....	....	....	....	....	....	....	....
Victoria, B. C.	Feb. 6	30,000	4	....	....	....	....	....	....	....	....	....	....	....
Vigo	Jan. 30	40,000	19	5	....	....	....	1	....	2	....	....	2	....
West Hartlepool	Jan. 23	66,750	20	....	....	....	....	....	....	....	....	....	....	....
Do	Jan. 30	66,750	23	....	....	....	....	....	....	....	....	1	....	....
Winnipeg	Feb. 6	118,000	25	....	....	....	....	....	....	3	....	....	....	....
Yokohama	Jan. 18	378,884	....	....	....	....	....	....	....	2	....	1	....	....
Zurich	Jan. 30	182,000	54	9	....	....	....	....	....	....	....	1	....	2

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco and Oakland, and in Alameda County, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended February 20, 1909.

Sick inspected	1
Plague	0
Dead inspected	135
Plague	0
Necropsies held	0
Premises inspected	2,211
House disinfected	1
Nuisances abated	181
Rats found dead	24
Rats trapped	1,924
Total rats taken	1,948
Rats identified:	
Mus norvegicus	1,222
Mus rattus	51
Mus musculus	670
Total	1,943
Rats identified as to sex	1,243
Male	558
Female	685
Rats examined bacteriologically	1,162
Plague rats	0
Squirrels caught	7
Squirrels examined bacteriologically	4
Plague squirrels	0
Buildings condemned	10
Poisons placed	950

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OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended February 13, 1909.

Dead inspected	24
Plague	0
Necropsies held	3
Premises inspected	678
Premises cleaned	115
Places made rat proof	2
Garbage cans installed	183
Nuisances abated	184
Rats found dead	29
Rats trapped	547
Total rats taken	576
Mice trapped	55
Rats identified:	
Mus norvegicus	573
Mus rattus	3
Mus musculus	55
Total	631
Rats examined bacteriologically	566
Plague rats	0
Mice examined bacteriologically	55
Plague mice	0
Poisons placed	17,706

ALAMEDA COUNTY, CAL.

Week ended February 13.

Sick inspected	9
Plague	0
Dead inspected	59
Plague	0
Necropsies held	5

Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson, plague laboratory, reports, February 23:

Animals examined in the laboratory in this city from February 8 to February 14, inclusive:

Ground squirrels	131
Gray rats	361
Black rats	6
White rats	8

None of these animals was found to be infected with plague.

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, February 15:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

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Week ended February 13, 1909.

Plague-infected rats to date	21
Rats received	741
Rats necropsied	753
Plague rats	0
Vessels inspected	12
Vessels fumigated	3

Report from Memphis, Tenn. — Smallpox — Smallpox in State of Arkansas.

Surgeon Wasdin reports, February 12: During the month of January there were approximately 50 cases of smallpox in Memphis, all of which were treated in the pesthouse. In addition to this number during the past week there have been from 6 to 10 cases originating in the city, the majority of them being post-office employees. It is thought that these employees were infected from contaminated mail.

There are now about 20 cases in the smallpox hospital of this county. There are a few cases being treated at their homes under city regulations.

In the State of Arkansas there is a great deal of smallpox in the counties bordering on the river, and quite recently there was a serious outbreak in a neighboring county.

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

COLORADO.—Semiannual report for the period ended June 30, 1908. Estimated population, 615,570. Total number of deaths, 5,688; cause of death not reported. Cases: Diphtheria 618, scarlet fever 2,009, smallpox 381, and enteric fever 191.

INDIANA—*Evansville.*—Month of December, 1908. Estimated population, 75,000. Total number of deaths, 84, including enteric fever 4, diphtheria 3, and 12 from pulmonary tuberculosis. Cases: Diphtheria 20, scarlet fever 4, whooping cough 2, enteric fever 7, and pulmonary tuberculosis 8.

MINNESOTA—*Minneapolis.*—Month of January, 1909. Estimated population, 300,000. Total number of deaths, 276, including diphtheria 14, enteric fever 1, scarlet fever 3, and 43 from tuberculosis. Cases: Diphtheria 92, scarlet fever 57, smallpox 22, enteric fever 1, and tuberculosis 29.

NEBRASKA—*Lincoln.*—Month of January, 1909. Estimated population, 60,000. Total number of deaths, 45, including 5 from tuberculosis. Cases: Diphtheria 4, scarlet fever 8, measles 2, and smallpox 2.

NEW YORK—*Buffalo.*—Month of January, 1909. Estimated population, 410,000. Total number of deaths, 523, including diphtheria 16, scarlet fever 15, enteric fever 5, and 45 from tuberculosis. Cases: Tuberculous 62, enteric fever 30, diphtheria 115, scarlet fever 410, measles 16, whooping cough 36, and smallpox 1.

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Schenectady.—Month of January, 1909. Estimated population 77,666. Total number of deaths, 74, including scarlet fever 5, and 8 from tuberculosis. Cases: Scarlet fever 24, diphtheria 5, measles 2, and tuberculosis 8.

Yonkers.—Month of November, 1908. Estimated population, 72,000. Total number of deaths, 96, including enteric fever 1, diphtheria 4, and 17 from tuberculosis. Cases: Enteric fever 1, scarlet fever 22, diphtheria 26, measles 28, and pulmonary tuberculosis 10.

Month of December, 1908. Total number of deaths, 88, including whooping cough 1, diphtheria 1, and 7 from tuberculosis. Cases: Enteric fever 1, scarlet fever 30, diphtheria 15, measles 43, and pulmonary tuberculosis 18.

Month of January, 1909. Total number of deaths, 105, including scarlet fever 5, diphtheria 3, and 12 from tuberculosis. Cases: Scarlet fever 37, diphtheria 16, measles 108, and pulmonary tuberculosis 19.

OREGON.—Month of November, 1908. Reports to the state board of health from 34 counties show as follows: Total number of deaths, 431, including diphtheria 27, enteric fever 13, scarlet fever 2, measles 3, and 29 from tuberculosis. Cases: Diphtheria 95, enteric fever 43, scarlet fever 41, smallpox 45, tuberculosis 16, and measles 1.

Month of December, 1908. Reports to the state board of health from 34 counties show as follows: Total number of deaths, 360, including tuberculosis 40, enteric fever 12, diphtheria 5, and 2 from scarlet fever. Cases: Tuberculosis 8, enteric fever 35, diphtheria 72, scarlet fever 50, measles 16, and smallpox 51.

WASHINGTON—*Spokane.*—Month of January, 1909. Estimated population, 100,000. Total number of deaths, 110, including diphtheria 4, enteric fever 4, and 5 from tuberculosis. Cases: Smallpox 5, measles 60, scarlet fever 34, diphtheria 43, and enteric fever 1.

WISCONSIN.—Report for the quarter ended September 30, 1908. Estimated population, 2,228,969. Total number of deaths, 6,279, including scarlet fever 21, tuberculosis 512, enteric fever 70, diphtheria 70, measles 5, and 29 from whooping cough. Cases reported from 58 counties, as follows: Diphtheria 248, enteric fever 197, whooping cough 218, smallpox 173, scarlet fever 163, measles 192, and tuberculosis 238.

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Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to March 5, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Jan. 12–Feb. 6	7		
Tuscaloosa County	Feb. 6–Dec. 31	86		Year 1908.
Total for State		93		
Arkansas:				
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		58		
California, general	Nov. 1–Dec. 31		3	
Los Angeles	Dec. 6–Feb. 13	14		
Oakland	Nov. 1–Dec. 31	6		
Sacramento	Nov. 1–Dec. 31	24		
San Francisco	Dec. 13–Feb. 6	19		
Stockton	Nov. 1–30	12		
Total for State		75	3	
District of Columbia:				
Washington	Dec. 28–Feb. 20	6		
Total for District		6		
Georgia:				
Cobb County	Jan. 16–Feb. 7	8		
Paulding County	Jan. 16–Feb. 7	15		
Total for State		23		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Feb. 20	202		
Thebes	Jan. 1–31	2		
Bureau County—				
Ladd	Nov. 1–30	4		
Christian County—				
Taylorville	Aug. 1–Jan. 20	40		
Clinton County—				
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–Feb. 6	5		
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		
Fulton County—				
Canton	Jan. 1–31	38		
Cuba	Jan. 1–31	1		
Lewiston	Jan. 1–31	6		
Jackson County—				
Murphrysboro	Jan. 1–31	45	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–31	1		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–20	1		
Lake County—				
Waukegan	Feb. 2–20	3		
McLean County—				
Bloomington	Jan. 1–31	5		
Macon County—				
Decatur	Jan. 1–31	8		
Macoupin County—				
Palmyra	Dec. 25–Jan. 20	4		
Scottsville	Dec. 25–Jan. 20	12		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Marion County—				
Centralia	July 1-Jan. 20	53		
Odin	Jan. 1-31	1		
Sandoval	Jan. 1-31	1		
Mason County	Jan. 1-31			Present in Havana and Quiver townships.
Massac County—				
Metropolis	Jan. 1-31	1		
Mercer County	Jan. 1-31	1		In North Henderson township.
Montgomery County	Jan. 1-31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Peoria County—				
Peoria	Dec. 20-Feb. 3	7		Present in Glasford and in Timber and Trivoli townships.
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-31	3		
Mound City	Jan. 1-31	7		
Randolph County—				
Percy	Jan. 1-31	1		
St. Clair County—				
Belleville	Dec. 4-20	3		Present in January.
Mascoutah	Jan. 1-31	1		
Millstadt		1		
Saline County—				
Eldorado	Jan. 1-31	1		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Tazewell County	Jan. 1-31			Present in Elm Grove township.
Pekin	Jan. 1-31	28		
Vermilion County—				
Danville	Jan. 11-Feb. 21	3		
Williamson County—				
Carterville	Jan. 1-31	2		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-31	6		
Total for State		605	1	
Indiana:				
Allen County	Dec. 1-31	1		
Fort Wayne	Jan. 10-Feb. 6	4		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Dec. 31	4		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-31	26		
Clay County	Oct. 1-31	8		
Dearborn County	Oct. 1-31	1		
Delaware County	Dec. 1-31	52		
Elkhart County	Oct. 1-Nov. 30	7		
Elkhart	Jan. 17-Feb. 20	6		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-31	1		
Grant County	Dec. 1-31	2		
Union	Feb. 6	5		
Hamilton County	Dec. 1-31	1		
Harrison County	Dec. 1-31	1		
Hendricks County	Nov. 1-Dec. 31	5		
Madison County	Oct. 1-31	1		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-Feb. 7	4		
Miami County	Dec. 1-31	1		
Rush County	Dec. 1-31	24		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-31	1		
St. Joseph County	Dec. 1-31	12		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Dec. 31	77		
Lafayette	Dec. 15-Feb. 15	52	1	
Tipton County	Nov. 1-Dec. 31	2		
Vanderburg County—				
Evansville	Jan. 10-Feb. 20	10		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-31	7		
Wayne County	Nov. 1-30	8		
Total for State		343	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Council Bluffs	July 1-Dec. 31	19	2	
Dubuque	Oct. 1-Jan. 31	87	1	
Total for State		107	5	
Kansas:				
Atchison County—				
Atchison	Dec. 20-Jan. 16	2		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Dec. 31	45		
Crawford County—				
Pittsburg	Nov. 1-Dec. 31	107		
Franklin County	Dec. 1-31	1		
Harvey County	Nov. 1-Dec. 31	4		
Jackson County	Nov. 1-Dec. 31	95		
Jefferson County	Dec. 1-31	2		
Jewell County	Dec. 1-31	2		
Montgomery County	Nov. 1-Dec. 31	18		
Nemaha County	Dec. 1-31	2		
Phillips County	Dec. 1-31	2		
Pottawatomie County	Nov. 1-Dec. 31	36		
Pratt County	Dec. 1-31	20		
Reno County	Nov. 1-Dec. 31	3		
Riley County	Nov. 1-30	2		
Saline County	Nov. 1-Dec. 31	31		
Shawnee County	Nov. 1-Dec. 31	6		
Topeka	June 7-Feb. 20	71		
Sheridan County	Dec. 1-31	9		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Dec. 31	7		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-Feb. 20	12		
Total for State		491		
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Covington	Dec. 29-Feb. 20	12		
Henderson		7		Jan. 1-June 30, 1908.
Lexington	Dec. 28-Feb. 20	29		
Newport	July 1-Jan. 31	20	1	Jan. 1-June 30, 1908, 16 cases 1 death.
Paducah	Jan. 24-Feb. 20	29		
Total for State		297	2	
Louisiana:				
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20-Feb. 20	21		
Shreveport	Jan. 1-20	32	1	
Total for State		83	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-Feb. 6	94		
Total for State		145		
Maryland:				
Baltimore	Jan. 30-Feb. 6	1		
Total for State		1		
Massachusetts:				
New Bedford	Jan. 30-Feb. 27	2		
Taunton	Jan. 3-9	1		
Total for State		3		
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31	1		
Ingham County—				
Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County—				
Grand Rapids	Jan. 24-Feb. 20	2		
Lapeer County	Dec. 1-31	2		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-Feb. 20	4		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-30	4		
Wexford County	Dec. 1-31	2		
		69		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 20-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 8-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Jan. 31	48		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	8		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicolett County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Oct. 6-Dec. 13	57		
Renville County	Dec. 1-7	1		
St. Louis County				
Duluth	Nov. 9-Jan. 22	8		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Saseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-30	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-Jan. 31	5		
Yellow Medicine County	Oct. 20-26	1		
Total for State		260		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-Feb. 20	4		
St. Joseph	Dec. 1-31	1		
St. Louis	Dec. 20-Feb. 20	10		
Springfield	Nov. 1-Dec. 31	2		
Total for State		17		
Montana:				
Cascade County	Nov. 1-30	4		
Flathead County	Nov. 1-30	1		
Gallatin County	Nov. 1-30	13		
Bozeman	Nov. 1-30	15		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Montana—Continued.				
Jefferson County	Nov. 1-30	4		
Ravalli County	Nov. 1-30	4		
Silverbow County	Nov. 1-30	5		
Butte	Dec. 2-Feb. 16	23		
Yellowstone County	Nov. 1-30	1		
Total for State		70		
Nebraska:				
Lincoln	Nov. 1-Jan. 31	7		
South Omaha	Dec. 20-Feb. 13	6		
Total for State		13		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
West Lebanon	Jan. 15-Feb. 7	2		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		10		
New York, general	Nov. 1-Dec. 31	75	1	
Mohawk Valley			1	Year 1908.
Niagara Falls	Feb. 7-13	1		
Rome	Jan. 1-31	1		
Schenectady	Feb. 7-13	1		
Syracuse	Jan. 9-31	3		
Total for State		81	2	
North Carolina:				
Bertie County	Nov. 1-30	1		
Catawba County	Nov. 1-Dec. 31	4		
Currituck County	Nov. 1-30	3		Present to Dec. 31.
Duplin County	Dec. 1-31	10		
Edgecombe County	Dec. 1-31	1		
Johnston County	Nov. 1-30	1		
Lenoir County	Dec. 1-31	20		
Lincoln County	Dec. 1-31	1		
Pasquotank County	Nov. 1-Dec. 31	29		
Wilmington	Jan. 22	1		Imported.
Total for State		71		
North Dakota	July 1-Feb. 19	168		
Ohio, general	June 14-Jan. 2	337		
Cincinnati	Dec. 12-Feb. 26	152	1	
Dayton	Jan. 24-Feb. 20	5		
Newark		3		Year 1908.
Tiffin	Jan. 3-23	2		
Total for State		499	1	
Oregon:				
Clackamas County	Sept. 1-30	1		
Harney County	Sept. 1-30	1		
Jackson County	Oct. 1-Dec. 31	9		
Lane County	Dec. 1-31	10		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Dec. 31	4		
Multnomah County	Dec. 1-31	5		
Portland	Nov. 1-Dec. 31	50		
Polk County	Sept. 1-Dec. 31	9		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-Dec. 31	6		
Wallowa County	Oct. 1-31	1		
Washington County	Oct. 1-Dec. 31	23		
Yamhill County	Sept. 1-Dec. 31	17		
Total for State		142		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 19-25	1		
Pittsburg	Dec. 13-19	1		Imported.
Total for State		6		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
South Dakota:				
Aberdeen	May 1–Jan. 31	43		
Total for State		43		
Tennessee:				
Green County	Jan. 2	108		Including Greenville.
Knoxville	Dec 28–Feb. 13	12		
Memphis	Jan. 1–Feb. 20	116		
Nashville	Dec. 20–Feb. 27	35		
Polk County	Jan. 22	30		
Total for State		296		
Texas:				
Cost	Oct. 1–Dec. 19			Present.
Cotulla	Jan. 25–Feb. 17			Do.
Denton County	Jan. 1–Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10–23	3		
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Goliad County	Dec. 1–Jan. 20	25		
Houston	Jan. 1–31	3		
Laredo	Dec. 26–Feb. 13	4		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–Feb. 13	63		
San Augustine County	Jan. 5			Do.
Total for State		375		
Utah:				
Davis County	Nov. 1–Dec. 31	20		
Garfield County	Dec. 1–31	9		
Salt Lake County	Dec. 1–Jan. 31	136		
Salt Lake City	Dec. 1–Jan. 31	187	1	
Sanpete County	Dec. 1–31	1		
Summit County	Dec. 1–31	7		
Utah County	Dec. 1–31	1		
Weber County	Nov. 1–Dec. 31	2		
Total for State		363	1	
Vermont:				
Newfane	Jan. 11	8		And vicinity.
West Windsor, township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		13		
Virginia:				
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Total for State		9		
Washington:				
Seattle	Oct. 1–Jan. 31	15		
Spokane	Dec. 6–Feb. 13	9	1	
Tacoma	Dec. 14–Jan. 17	31		
Total for State		55	1	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville				Present in January.
Weston	Jan. 15–Feb. 13	1		
Total for State		2		
Wisconsin:				
La Crosse	Dec. 13–Feb. 13	30		
Manitowoc	Dec. 13–Feb. 20	8		
Milwaukee	Dec. 6–Feb. 13	92		
Total for State		130		
Grand total for the United States		5,157	18	

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Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Feb. 20	38,973	12					5		1					
Ann Arbor, Mich	...do	14,509	5		1									5	
Atchison, Kans	Jan. 23	15,722	8					1		1				1	1
Do	Jan. 30	15,722	4												
Baltimore, Md	Feb. 20	508,957	188	23	26	2	2	12	1	26		120	1	6	
Berkeley, Cal	Feb. 13	13,214	7	1	1	1		5		2		1			
Binghamton, N.Y	Feb. 20	38,647	24		1						1				1
Boston, Mass	...do	560,892	265	62	29	5		73	2	70	3	62	2	22	1
Braddock, Pa	...do	15,654	6		2			1		4				1	
Bradford, Pa	...do	15,029	8	1				3							
Brockton, Mass	...do	40,063	21	3	1			2				116		7	2
Butte, Mont	Feb. 2	30,470	6					6		1					
Do	Feb. 9	30,470	7		2			8		4					
Do	Feb. 16	30,470	12		1			10		2	1	2			
Cambridge, Mass	Feb. 20	91,886	23	8	3			11		4	1	4		2	
Camden, N. J	...do	75,935	34	1				7	1	12	1				
Camden, S. C	...do	2,441										1			
Carbondale, Pa	...do	13,536	2				1	3	1			1			
Charlotte, N. C	Feb. 19	18,091	7		2	1						2			
Chelsea, Mass	Feb. 20	34,072	11		2			1							
Chicago, Ill	...do	1,698,575	654	78	72	63	9	145	2	111	10	124	7	12	
Chicopee, Mass	...do	19,167	10		2					1	1				
Cincinnati, Ohio	Feb. 19	325,902	138	8	17	2	1	12	2	8	1	1		2	
Cleveland, Ohio	...do	381,768	140	31	16	5	1	19	1	22		11		16	2
Clinton, Mass	Feb. 20	13,667	6	2											
Covington, Ky	...do	42,938	9		3			1						2	
Danville, Ill	Feb. 21	16,584	8		1			2		2					
Dayton, Ohio	Feb. 20	85,333	40		7		1	1		1		12	1		
Detroit, Mich	...do	285,704	121					7	1	13	2				
Duluth, Minn	Feb. 18	80,000	20	6	1			4	1	17	1				
Dunkirk, N. Y	Feb. 20	11,616	5							2	1				
Elmira, N. Y	...do	35,672	13	6	1	1		1				7		5	
El Paso, Tex	Feb. 16	15,905	32		14	2		1				1			
Do	Feb. 23	15,905	29	4	9	3	1	2	1	2					
Elkhart, Ind	Feb. 20	15,184	6									2			
Erie, Pa	Feb. 13	52,733	18	5	4	5	1	6		5		1		11	1
Do	Feb. 20	52,733	18	3	1	1	1	9		3		1		9	1
Evansville, Ind	...do	59,007	15	1	2	1		1		3					
Everett, Mass	...do	24,336	12	4	1			4	1	1					
Fall River, Mass	...do	104,863	41	6	6	1		4		2		5		2	
Findlay, Ohio	...do	17,613	6		1					2					
Fort Wayne, Ind	...do	45,115	13		1			1		1					
Galesburg, Ill	...do	18,607	6					4		1					
Galveston, Tex	Feb. 19	37,789	15	2	2	2		1		1					
Glens Falls, N.Y	Feb. 20	13,543	4	1	2										
Gloucester, Mass	...do	26,121	5		1										
G'd Rapids, Mich	...do	87,565	22		1			16						7	
G't Falls, Mont	...do	14,930	4					11		2	1	3			
Greensboro, N.C.[a]	Feb. 6	10,035	5		2							2			
Do	Feb. 20	10,035	5												
Hammond, Ind	...do	12,376	3												
Harrison, N. J	...do	10,596	2	2						2					
Haverhill, Mass	...do	37,175	17	1	2					3		1		3	
Hoboken, N. J.[a]	Feb. 6	59,364						4		9	2	2		1	
Do	Feb. 20	59,364						3		5					
Homestead, Pa	Feb. 14	12,554	13		2	1						1		1	
Do	Feb. 21	12,554	7		1			1		1		17			
Indianapolis, Ind	...do	169,164	67		10	2		2		8		19			1
Jacksonville, Fla	Feb. 20	28,429	30		3					3					
Jersey City, N. J	Feb. 21	206,433	107		7			6	3	13	2	40		1	
Johnstown, Pa	Feb. 20	35,936	16				1	17		3	1	13		2	
Kansas City, Kans	...do	51,418	18		5					1		2			
Kansas City, Mo	...do	163,752	58		4	10	1	12		6	1			2	
Kearny, N. J	...do	10,896	6					1		1					
Kingston, N. Y	...do	24,535	8		3										
Knoxville, Tenn	...do	32,637	25	7	7	1	1					5			
La Crosse, Wis	...do	28,895	7					1							
La Fayette, Ind	Feb. 22	18,116	8		1		1	1				1			
Lancaster, Pa	Feb. 20	41,459	13		1			7							
Lawrence, Mass	...do	62,559	30	6	6										
Lebanon, Pa	...do	17,628	5	1		1				2		2			
Lexington, Ky	...do	26,369	11		2									4	

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Little Falls, N.Y.	Feb. 13	10,381		3											
Do	Feb. 20	10,381		4	1										
Los Angeles, Cal.	Feb. 13	102,479	89	11	14	5	4	13		8		10			
Lowell, Mass	Feb. 20	94,969	41	1	4	1		4		3	1	3			
Lynchburg, Va	...do	18,891								1				1	
Malden, Mass	...do	33,664	15	1	2			3		5		8		1	
Manchester, N. H.	...do	56,987	32	2	2	1		1		5	1			1	1
Manitowoc, Wis.	...do	11,786	3	1	1			1		3		4			
Mansfield, Ohio	...do	17,650				2	1	2				1			
Marinette, Wis	...do	16,195	2					1							
Marion, Ind	...do	17,337	2					1							
Marlboro, Mass	...do	13,609	7					1						2	
Massillon, Ohio	...do	11,944	1												
Medford, Mass	...do	18,244	3	6						2					
Melrose, Mass	...do	12,962	5			1		2				2		3	
Memphis, Tenn.	Feb. 6	102,320			2			8		8					
Do	Feb. 12	102,320			5		2	5		4	1				
Do	Feb. 20	102,320	40	2	5			7		1					
Mobile, Ala	...do	38,469	24	4	6	1	1								
Montclair, N. J	...do	13,962	6		1			5		1		6			
Montgomery, Ala.	Feb. 19	30,346	17		1										
Moline, Ill	Feb. 21	17,248	7		1			2		2		25			
Morristown, N.J.	Feb. 20	13,000	6					3							
Mount Vernon, N. Y	...do	21,228	3									19			
Muncie, Ind	...do	20,942	6		1							3			
Nanticoke, Pa	Feb. 21	12,616	3							2		1			
Nashville, Tenn.	Feb. 20	80,865	38	3	3	1	1	5							
Nebraska City, Nebr	...do	7,200	2												
Newark, N. J	...do	246,070	124		16	4		32	2	26	1				
New Bedford, Mass	...do	63,442	29	6	2			10		2		3			1
Newburyport, Mass	...do	14,478	10												
New London, Conn	...do	17,548	7	1		1									
New Orleans, La	...do	278,104	142	36	26	12	3	50	2	5					
Newton, Mass	...do	33,587	9	1	1			4		3		3			
New York, N. Y.	...do	3,437,202	1,505	457	187	20	5	388	16	369	38	608	20	52	5
Niagara Falls, N.Y.	...do	19,457	17	2	1	9		2		2		1			
North Adams, Mass	...do	24,200	18												
Northampton, Mass	...do	18,643	5	3				1				10			
Orange, N.J	...do	24,141	8		2			4				2			
Ottumwa, Iowa	...do	18,197	19		1	1						1			
Paducah, Ky	Feb. 12	19,446	6	6	2										
Do	Feb. 20	19,446	8	4	2										
Palmer, Mass	...do	7,801	2												
Passaic, N. J	Feb. 6	27,777	18	1		1		1		2		3		2	
Pittsfield, Mass	Feb. 20	21,766	9	3				2				1			
Plainfield, N. J	...do	15,369	7	2	1			1							
Plymouth, Pa	...do	13,649						2		5		2			
Portsmouth, Va	Feb. 16	17,427	9							1					
Do	Feb. 23	17,427	2					1							
Providence, R. I.	Feb. 20	175,597	96	7	9	1		11		14					2
Racine, Wis	...do	29,102	2							1					
Reading, Pa	Feb. 22	78,961	25		3	5		1		1					
Richmond, Va	Feb. 13	85,050	45	3	8	7				2				3	
Do	Feb. 20	85,050	36	3	2	10		1				3			
Rockford, Ill	...do	31,051								1					
Rock Island, Ill	...do	19,493	5			1				1					
Saginaw, Mich	Feb. 6	42,345	10			1	1	2		1		13			
Do	Feb. 13	42,345	13			1	1	1				12			
Do	Feb. 20	42,345	8			1		1		6		4			
St. Louis, Mo	...do	575,238	245	40	37	5	1	29		48	5	264	4	6	1
San Antonio, Tex[a]	Jan. 31	53,321				1				2	1				
San Francisco, Cal.	Feb. 13	342,782	115	23	14	1		6		10	2	90	1	3	1
Schenectady, N.Y.	Feb. 20	31,682	16		2			5				2			
Shamokin, Pa	...do	18,202	6	1	1							6			
Somerville, Mass.	...do	61,645	29	2	1			10		7		7			1
South Bend, Ind	...do	35,999	26	1	1					1		23			
So. Omaha, Nebr.	...do	26,001						3	1						

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Spokane, Wash	Feb. 13	38,848	23		2	1		11	1	6	1	14			
Springfield, Ill	Feb. 19	34,159	15												
Springfield, Mass.	Feb. 20	62,059	26		2			4		1		2			
Springfield, Ohio	...do	38,253	10	4						2					
Steelton, Pa	...do	12,068	7		1	2									
Taunton, Mass	...do	31,036	17		3										
Terre Haute, Ind	...do	36,673	16		1					1		1			
Tiffin, Ohio	...do	10,898						1							
Titusville, Pa	...do	8,244	5					2	1						
Topeka, Kans	...do	33,608	29						1	2	1	1			1
Trenton, N. J	...do	73,307		7		15		2		2					
Waltham, Mass	...do	23,481	10	2	1			8		1		21			
Warren, Pa	Feb. 14	8,043	1												
Do	Feb. 21	8,043	3												
Washington, D. C.	Feb. 20	278,718	131	39	18	10	3	13	1	18	2	684	1	11	
Wheeling, W. Va	...do	38,878	19	7	3					3		1	1		
Wichita, Kans.[a]	Jan. 30	24,671						2		2					
Do	Feb. 20	24,671						1				1			
Wilkes-Barre, Pa	Feb. 19	51,721	22	6	1	1	1	6	1	4	1	33		3	
Williamsport, Pa	Feb. 20	28,757	10					1		4	1				
Wilmington, Del	...do	76,508	26		1										
Winona, Minn	Feb. 23	19,714	4												
Woburn, Mass	Feb. 20	14,254	5		4										
York, Pa	...do	33,708		19				2		3				7	

[a] Reported out of date.

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, February 3 and 10, 1909

CHOLERA.

DUTCH INDIES.—December 22. Quarantine measures against Singapore suspended.

EGYPT.—January 23. Cholera regulations in force against Tuticorin.

RUSSIA.—January 16. The government of Taurida and the district of Tambov declared free from cholera. January 21. The Province of Nagasaki in Japan declared cholera infected.

TURKEY.—January 26. Measures against Taganrog suspended. Vessels from Russian ports of the Black Sea carrying emigrants or similar aggregations of men subject to medical inspection and disinfection at the lazaretto at Sinope or at Monastir-Aghzy (Kavak), said measures to take not more than twenty-four hours in application.

PLAGUE.

AUSTRIA.—January 20. Measures against arrivals from Beirut sus pended by order of the maritime sanitary authorities at Trieste.

CHINA.—December 31. The German consul at Chefoo, acting in concert with the Chinese local authorities and the consular representatives of the treaty powers, has suspended control measures for German vessels arriving from Swatow, Tientsin, and Chinwangtao. The importation of articles previously forbidden is still prohibited.

DUTCH INDIES.—December 19. Quarantine measures against Kobe ordered.

TURKEY.—January 18. Measures against arrivals from Beirut suspended.

ALGERIA.

Deratization at Algiers—Rat fleas.

The following is taken from the *Bulletin Bimensuelle*, Algiers, January 31:

January 16–31: Rodents taken by the maritime sanitary service, 379; examined by the laboratory of health, 68; result, negative. Classification of rats: *Mus norvegicus*, 290; *Mus rattus*, 46; *Mus alexandrinus*, 1; *Mus musculus*, 42. Rat fleas determined—*Pulex cheopis*, on *Mus rattus*, 37; *Ctenopysylla musculi*, on *Mus rattus*, 31; *Ceratophyllus fasciatus*, on *Mus rattus*, 1; *Ctenopsylla musculi*, on *Mus norvegicus*, 6; *Pulex cheopis*, on *Mus norvegicus*, 84.

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AUSTRALIA.

Examination of rodents for plague infection at Brisbane.

The following information is taken from plague bulletins received from the Department of Public Health of Queensland:

Date of finding of last plague-infected rat, September 15, 1908.

Week ended January 9. Rodents destroyed, 689; examined, 512; plague rodents, 0. Week ended January 16. Rodents destroyed, 604; examined, 541; plague rodents, 0.

BARBADOS.

Report from Bridgetown—Status of yellow fever in the Island.

Consul Martin reports, February 11:

Since February 3 there have been 6 cases of yellow fever reported, 1 case in Bridgetown and the other cases in the outlying parishes of St. Joseph and St. Lucy. The case in Bridgetown was that of the senior resident surgeon at the Barbados general hospital. The disease seems now to be abating, and the general board of health is taking measures for better sanitation, care of patients, and destruction of mosquitoes. No Europeans or transient visitors have been attacked.

BRITISH GUIANA.

Report from Georgetown—Status of yellow fever at Paramaribo, Dutch Guiana.

Consul Clare reports, January 30:

The consular agent at Paramaribo, in a letter dated January 27, states that since the outbreak of yellow fever, December 18, there have been 32 cases, of which 8 terminated fatally and 24 recovered. No new cases have occurred since January 18.

CHINA.

Report from Canton—Sanitary conditions.

The following report, forwarded by Vice Consul-General Hull, under date of January 4, was received from the Department of State February 24:

Sanitary conditions of Canton, China.

There are no official statistics or records of facts relating to the sanitary conditions and mortality rate of Canton. The following statement, based on personal observation, includes the entire city proper, within and without the walls, Honam (south of the river), Fati, Fong Tsun, and the boat population.

With the exception of the diseases enumerated in the following table, the mortality due to ordinary causes is probably nearly double that of the large cities of Europe or America. It certainly is not as high as has often been estimated.

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Epidemic diseases.

Year.	Bubonic plague.		Cholera.		Beriberi.	
	Cases.	Mortality.	Cases.	Mortality.	Cases.	Mortality.
		Per cent.		*Per cent.*		*Per cent.*
1898	5,000	90	.....	.....	1,000	30
1899	5,000	90	.....	.....	1,000	30
1900	1,000	90	1,000	90	2,000	30
1901	1,000	90	2,000	90	1,000	30
1902	1,000	90	500	90	1,000	30
1903	2,000	80	.....	.....	1,000	30
1904	2,000	80	300	90	3,000	30
1905	3,000	80	.....	.....	3,000	25
1906	1,000	80	.....	.....	3,000	25

Bubonic plague was unknown in modern times in Canton previous to 1894.

Most of the buildings in Canton are low, being only one story, or a story and a half high, with large openings from the top to the ground floor. Light and ventilation are provided for by ventilators or skylights in the roof. During the hot season (April to October, inclusive) from 60 to 70 per cent of these buildings have a bamboo or mat wind shoot or funnel which distinctly reduces the temperature within the buildings. The city streets are largely paved with Hongkong granite stone. In the center of most of the streets is a surface sewer about 2 feet wide and 3 feet deep, just beneath the stone pavement, built of sandstone, brick, or tile. While these sewers are often clogged, they are also frequently cleared out. About one-half of these sewers, more particularly those outside the walls, are reached by tide water each day, which helps to clear these drains. The difference between high and low tide is about 6 feet. For centuries past the city water supply has been from surface wells and the river. This is now largely modified by the recent introduction of a modern system of waterworks, pressure being secured by well-constructed standpipes. The source of supply is from the river several miles northwest of the city. Modern machinery, filter beds, and pipes are used and an analysis of the water shows it to be of good quality.

The diseases of Canton.—These are such as are usually found in a semitropical climate. Malaria, dysentery, and enteric fever are common, though the latter has prevailed only during recent years. Tuberculosis is rife. Beriberi and bubonic plague are restricted largely to the summer months. True Asiatic cholera has been present twice during the past twenty years in epidemic form. At other times only occasional cases are seen. Smallpox is common in a mild form among the Chinese during the winter months (December to February). Leprosy in its various forms is frequently met with among the poorer classes of Chinese.

The population of Canton is generally overestimated. No census has been taken, but a fair estimate of the population of Canton and its immediate suburbs, including the boat population, would certainly be somewhat less than 2,000,000. Canton city itself, exclusive of the boat population, which may be estimated at 200,000, would hardly reach 1,000,000.

There are almost no native hospitals in Canton, civil or military, worthy of the name. There are many public dispensaries connected with the Shin Tongs, or halls of good works, scattered about the city,

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but their use is largly restricted to the dispensing of Chinese drugs to outpatients. There is a military hospital in a temporary building or shed, connected with the large camp just outside the northeast corner of the city, near the imperial mint. There is also a Fong Pin hospital just off the northwest corner of the city wall where patients are received as inpatients.

The principal hospital and the oldest in the city is the Medical Missionary Society's hospital, commonly called the Canton Hospital. For fifty years the hospital has carried on a large work, introducing the first modern surgery into China. The hospital has 300 beds, and in emergency this number could be largely increased. Its location is on the river front, less than one-fourth mile east of the custom-house and foreign settlement. Over 2,000 inpatients and 25,000 outpatients are treated annually, while about 2,000 surgical operations are performed each year. There are 10 main buildings, including the medical college building, connected with the hospital. The institution is supported entirely by the local Chinese and foreign communities.

There is also the Paul Domour French hospital, located near the electric light works, on the river front. It is a neat little hospital of about 80 to 100 beds, managed on modern lines, and efficient work is done.

CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, February 22:

Week ended February 20.

Vessels inspected	3
Bills of health issued	3
Members of crews inspected	69

No quarantinable diseases were reported.

Report from Habana—Inspection of vessels—Sanitary conditions.

Passed Assistant Surgeon Amesse reports, February 22:

Week ended February 20.

Vessels inspected	22
Bills of health issued	27
Members of crews of outgoing vessels inspected	1,209
Passengers of outgoing vessels inspected	1,468

Local and provincial sanitary officers report satisfactory health conditions at all points in the Republic.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, February 22:

Week ended February 20. Bills of health granted to 6 vessels leaving for United States ports.

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Reports from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, February 17 and 23:

Week ended February 13.

Bills of health issued to 3 vessels bound for the United States. No quarantinable disease reported.

Week ended February 20.

Bills of health issued to 8 vessels bound for the United States and its dependencies.

No quarantinable disease has been reported, except one death from leprosy.

EGYPT.

Summary of plague in Egypt from 1899 to 1908, inclusive.

The following is taken from the *Bulletin Quarantenaire*, published by the sanitary, maritime, and quarantine board of Egypt, under date of February 4.

From 1899 to 1908, inclusive, plague was officially reported as follows:

Year.	Cases.	Deaths.	Year.	Cases.	Deaths.
1899	93	45	1905	266	181
1900	127	60	1906	631	475
1901	205	102	1907	1,253	914
1902	481	291	1908	1,511	780
1903	303	160			
1904	854	501	Total	5,724	3,509

Plague in the principal cities of Egypt.—At Cairo, in 1906, there was 1 case with 1 death of plague. At Alexandria plague was present in all the years covered by the report, with a total of 997 cases, 595 deaths. At Port Said plague was reported in 1900 and was consecutively present, with a total of 232 cases, 127 deaths. At Suez the disease appeared in 1904 and was present in 1905, 1906, and 1907, with 97 cases, 70 deaths. At Ismaila, which is situated on the Suez and Sweetwater canals and equally distant from the Red and Mediterranean seas, plague was present in 1907 with a total of 10 cases, 8 deaths. Of the 20 government districts, including Nubia, into which Egypt is divided, 17 were infected with plague. The total population, census of 1897, was stated at 9,734,405.

GERMANY.

Report from Berlin—Status of cholera in Russia.

The following is received from Consul-General Thackara, under date of February 15:

According to the latest official bulletin there were registered in the city of St. Petersburg during the week ended January 23, 273 cases of cholera and 114 deaths; in the government district of Tomsk, 3 cases and 1 death, and in the Don territory, 13 cases and 7 deaths, making a total for the week of 289 cases and 122 deaths. According to an official supplementary report, the total number of cholera cases in Russia

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during the previous week amounted to 217, with 59 deaths, of which 2 cases and 1 death occurred in the government district of Petersburg, 1 case and 1 death in the government district of Moscow, 23 cases and 7 deaths in the Don territory, and 5 cases in the Akmolinsk territory.

HAWAII.

Report from Honolulu—Examination of rats for plague infection at Honolulu and Hilo.

Passed Assistant Surgeon Currie, plague laboratory, reports, February 1, through Temporary Chief Quarantine Officer Moore:

HONOLULU.

Week ended January 30.

Total rats taken	559
Trapped	555
Found dead (3 mus musculus and 1 mus alexandrinus)	4
Examined bacteriologically	476
Showing plague infection	0
Classification of rats trapped:	
Mus alexandrinus	70
Mus musculus	333
Mus norvegicus	45
Mus rattus	103
Average number of traps set daily	1,569
Rats from Hilo referred to this laboratory for bacteriological diagnosis	2
Rats from Hilo still under investigation	4
Rats from Hilo proven to be plague infected during week	2

HILO.

Week ended January 23.

Total rats taken	267
Trapped	260
Found dead	7
Examined by agent of board of health	267
Classification of rats:	
Mus alexandrinus	13
Mus musculus	7
Mus norvegicus	140
Mus rattus	107

INDIA.

Reports from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Eakins reports, February 4:

Week ended January 30. Bill of health issued to the steamship *Matoppo*, bound for Boston and New York with a total crew of 52. The usual precautions were taken, the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

Week ended January 23. At Calcutta there were 9 deaths from cholera, 13 from plague, and 98 from smallpox. In Bengal, 247 cases of plague, with 205 deaths. In India, 2,899 cases of plague, with 2,306 deaths.

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Smallpox in Calcutta.

The following is received from Consul-General Michael, under date of January 14:

Smallpox has appeared in Calcutta in some localities. It is specially prevalent in the Badur Bagan quarter, and many applications for vaccination are received. The present outbreak is very mild and deaths are very few. There have been several cases, with one death, among Europeans.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox at Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, February 5:

Vessels inspected at Naples and Palermo, week ended February 6.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Feb. 1	Madonna	New York	957	70	1,450
2	Caronia	do			
3	Perugia	do	173	10	380
4	Cedric	do	1,593	90	2,250
5	Campania	do	1,006	15	750
5	Königin Luise	do	926	60	1,150
6	Roma	do	593	40	980
	Total		5,248	285	6,960

PALERMO.

Feb. 4	Perugia	New York	583	400	259

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Feb. 1	Madonna	20	2	7		4	33
2	Caronia						
3	Perugia	8	4	4		2	18
4	Cedric	21	5	7	1	11	45
5	Campania	19	3	4		3	29
5	Königin Luise	11	3	10	2	5	31
6	Roma	24	2	8	1	3	38
	Total	103	19	40	4	28	194

PALERMO.

Feb. 4	Perugia	16		15		1	32

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Smallpox at Naples.—During the week ended February 7 there were 25 cases of smallpox and 5 deaths reported at the health office of the city of Naples.

Status of smallpox in Italy.—Week ended February 7.

Province of Rome (Nerola), 6 cases; Reggio Calabria (Tatrinoli), 2 cases; Milan (Affori), 1 case.

JAPAN.

Report from Yokohama—Inspection and fumigation of vessels—Plague rat on steamship Decalion at Kobe—Plague cases from coasting steamship from Osaka—Cholera, plague, and smallpox in Japan, year 1908.

Passed Assistant Surgeon Cumming reports, February 6:

During the two weeks ended February 6 bills of health were issued to 7 vessels having an aggregate of 74 saloon and 90 steerage passengers and 720 members of crews. Two of these vessels were fumigated in part, the steamship *Suruga*, hence via Chinese and Japanese ports to New York, because of having lain at a dock in Shanghai without precautions, and the Nippon Yusen Kaisha mail steamship *Yawata Maru* for Australia via Manila. These vessels were fumigated each trip.

No more plague-infected rats have been found, and this city is in good sanitary condition. A rat taken from the British steamship *Decalion* at Kobe having been found infected, a telegram to the port officer insured her disinfection at this port.

The *Shinkochi Maru*, a coasting steamship of the Osaka Chosen Kaisha, left a case of plague at Kagoshima, and another was found upon her return to Osaka. The frequency with which infection has been spread from Osaka shows the necessity of careful watching of freight from that place (shipped at Kobe) to avoid inclusion of infected rats in packages.

The home department reports the following diseases throughout the Empire for the year 1908: Smallpox, 24,189 cases; dysentery, 40,044 cases; plague, 352 cases; cholera, 564 cases. This shows an increase in smallpox and a decrease in plague and cholera.

Examination of emigrants.

Number of emigrants per steamship *Tenyo Maru*, January 30: For Honolulu, held for observation, 7; for San Franciso, 3.

Per steamship *Tango Maru* for Seattle, February 3: Recommended for rejection, 5.

Rejections and detentions were for trachoma.

Report from Kobe—Inspection of vessels—Examination and disinfection of emigrants.

Acting Assistant Surgeon Knight reports, February 2: Week ended January 30. Supplemental bills of health were granted to 4 steamships. There were inspected 62 members of crews and 49 steerage passengers. Twenty-four steerage passengers were bathed and disinfected. Their

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effects were disinfected by steam. The number of pieces of baggage steamed was 58, and bedding 46. Manifests were viséd for 52,547 pieces of freight, amounting to 4,212 tons.

Emigrants were examined as follows: Steamship *Tenyo Maru*, for Honolulu, passed 13, recommended for rejection 16; steamship *Tenyo Maru*, for San Francisco, passed 7, recommended for rejection 1; steamship *Tango Maru*, for Seattle, passed 2, recommended for rejection 6. The emigrants passed, together with 1 intending passenger to Victoria, by the steamship *Tango Maru*, were inspected, bathed, and disinfected. Their effects were disinfected before embarkation.

In Yura, there was reported a total of 116 cases of plague.

One case of plague was reported on the steamship *Shinkochi Maru* January 29, at Osaka. This vessel plies in trade between Osaka and Kushu.

MEXICO.

Report from Salina Cruz—Inspection and fumigation of vessel.

Acting Assistant Surgeon McPherson reports, February 16:

During the period February 1 to 15, inclusive, 1 steamship was inspected and fumigated on clearing from this port for the United States.

PERU.

Report from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Smallpox at Lima—Plague and smallpox in Chile.

Acting Assistant Surgeon Gutierrez reports, February 5:

Week ended January 30, 3 vessels were fumigated. They carried an aggregate personnel of 49 members of crews and 4 cabin passengers.

The following is the latest report on plague in Peru received from the Director de Salubridad Pública:

Locality.	Cases Jan. 15.	New.	Recovered.	Died.	Remaining Jan. 28.
Lima	6	4	2	3	5
Callao	4	7	1	5	5
Trujillo (city)	39	13	13	12	39
Trujillo (country)		12			
Chepen	2	3		1	4
San Pedro	9		3		6
Chiclayo	2	10	5	7	
Ferreñafe	1				1
Mollendo	3	2	2	1	2
Motupe	2				2
Chorrillos		2		1	1
Catacaos	4				4
Chota	8	3 (?)		2	11
Zafia	1	1		2	
Piura	2		2		

There were 5 cases of smallpox at the lazaretto at Lima January 21. No cases were reported at Callao.

Plague at Callao continues. There have been 3 cases this month.

Plague in Chile is reported as follows: Iquique, January 26, 9 cases in the lazaretto; 4 cases in two weeks.

Smallpox continues in the country around Talcahuano, Chile.

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RUSSIA.

Report from Libau—Status of cholera at St. Petersburg—Leprosy at Libau—Examination of emigrants.

Acting Assistant Surgeon De Forrest reports, February 9:

During the week ended February 8, 173 new cholera cases with 66 deaths were reported at St. Petersburg. No new cases of cholera have been reported from any other part of Russia since February 1.

Two cases of leprosy were removed from Libau during the first week in February.

The steamship *Estonia* sailed to-day with 642 steerage and 5 cabin passengers for New York. Five passengers were destined for Copenhagen, where the vessel anchors to take on supplies. All passengers for Copenhagen by steamships carrying passengers from Libau are required to observe the same quarantine as those sailing direct for New York.

ST. PIERRE ISLAND.

Report from St. Pierre—Quarantine against coast of Newfoundland on account of smallpox.

Consul Jenkins reports, January 13:

The quarantine against smallpox (see Public Health Reports, Feb. 19, 1909, p. 215) is still in force, and applies to all vessels clearing from the Newfoundland coast, but especially to vessels sailing from certain southern seacoast villages which the authorities here declare are known to be infected with smallpox.

American vessels returning from the Newfoundland coast with bait, should they call at St. Pierre, would be subject to quarantine. It can not be stated how serious the reported epidemic of smallpox is in Newfoundland. The health department of St. Pierre and Miquelon reports that there are no cases of smallpox in this colony.

SALVADOR.

Report from San Salvador—Smallpox—Vaccination.

The following is received from Consul-General Frazier, under date of February 6:

During the past month several cases of smallpox have appeared in Salvador. At San Salvador there have been 3 cases to date, none of which were fatal; in Santa Ana, from 30 to 40 cases, and slight outbreaks in the towns which are situated on the routes of travel between this Republic and Guatemala. The board of health maintains a bureau of vaccination at San Salvador which not only distributes vaccine, but also sends out vaccinators to the towns and villages throughout the country. It is due to the energetic and prompt action of this bureau of vaccination that practically the entire population has already been vaccinated. The best medical opinion is that the disease is now under control, and that it is unlikely to develop into a serious epidemic.

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FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

ARGENTINA—*Rosario de Santa Fe.*—Month of November, 1908. Estimated population, 154,663. Total number of deaths, 350, including diphtheria 1, measles 7, enteric fever 8, scarlet fever 1, whooping cough 1, and 35 from tuberculosis.

AUSTRALIA—*State of South Australia*, including the city of *Adelaide.*—Month of November, 1908. Estimated population of State, 394,692; city, 40,185. Total number of deaths 157, including enteric fever 1, and 17 from tuberculosis.

CANADA—*British Columbia—Vancouver.*—Month of January, 1909. Estimated population, 66,500. Total number of deaths, 50, including 8 from tuberculosis.

CHILE—*Punta Arenas.*—Month of December, 1908. Estimated population, 12,000. Total number of deaths, 21, including 2 from tuberculosis.

CUBA—*Matanzas.*—Three weeks ended February 10, 1909. Estimated population, 35,515. Total number of deaths, 62, including enteric fever 1, diphtheria 1, and 11 from tuberculosis.

DUTCH GUIANA—*Paramambo.*—Month of January, 1909. Estimated population, 34,962. Total number of deaths, 112, including 1 from yellow fever.

FRANCE—*Marseille.*—Month of January, 1909. Estimated population, 517,498. Total number of deaths, 1,329, including diphtheria 3, enteric fever 34, measles 12, smallpox 1, and 127 from tuberculosis.

Nice.—Month of December, 1908. Estimated population, 150,881. Total number of deaths, 235, including diphtheria 2, enteric fever 5, and 34 from tuberculosis.

Roubaix.—Month of January, 1909. Estimated population, 121,115. Total number of deaths, 179, including diphtheria 3, scarlet fever 2, measles 2, and 29 from tuberculosis.

St. Etienne.—Two weeks ended January 31, 1909. Estimated population, 150,000. Total number of deaths, 168, including diphtheria 2, enteric fever 3, scarlet fever 1, and 16 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended February 6, 1909, correspond to an annual rate of 18.7 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand eight hundred and seventy-eight deaths were registered during the week, including measles 52, scarlet fever 11, diphtheria 24, enteric fever 7, whooping cough 29, tuberculosis 164, and 12 from diarrhea. The deaths from all causes correspond to an annual rate of 20.3 per 1,000. In greater London 2,617 deaths were registered. In the "outer ring" the deaths included 3 from measles, 9 from diphtheria, scarlet fever 4, and 2 from whooping cough.

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Ireland.—The average annual death rate represented by the deaths registered during the week ended February 6, 1909, in the 21 principal town districts of Ireland was 20.7 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Galway, viz, 7.8, and the highest in Sligo, viz, 38.4 per 1,000.

Belfast.—Annual report for the year 1908. Estimated population, 380,344. Total number of deaths, 7,523, including measles 186, scarlet fever 4, whooping cough 137, diphtheria 33, enteric fever 57, and 1,258 from tuberculosis. The number of deaths correspond to an annual death rate of 19.5 per 1,000 of population.

Scotland.—The deaths registered in 8 principal towns during the week ended February 6, 1909, correspond to an annual rate of 18.5 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 25.9, and the lowest in Leith, viz, 14.6 per 1,000. The aggregate number of deaths registered from all causes was 662, including diphtheria 12, scarlet fever 4, whooping cough 42, measles 2, and enteric fever 1.

GREECE—*Patras.*—Two weeks ended January 31, 1909. Estimated population, 40,000. Total number of deaths, 31, including scarlet fever 1, and 1 from tuberculosis.

HAWAII—*Honolulu.*—Month of January, 1909. Estimated population, 39,306. Total number of deaths reported, 76, including enteric fever 1, diphtheria 1, and 8 from tuberculosis.

ITALY—*Genoa.*—Two weeks ended January 31, 1909. Estimated population, 279,163. Total number of deaths, 359, including enteric fever 1, diphtheria 5, measles 20, and 48 from tuberculosis.

JAPAN—*Formosa.*—Two weeks ended January 23, 1909. Estimated population, 3,108,723. Total number of deaths not reported. Deaths from contagious diseases reported were: Enteric fever 5, diphtheria 3, and 19 from plague.

MAURITIUS—*Port Louis.*—Month of November, 1908. Estimated population, 376,635. Total number of deaths, 912, including enteric fever 5, diphtheria 1, plague 43, and 78 from tuberculosis.

SPAIN—*Cadiz.*—Month of January, 1909. Estimated population, 69,382. Total number of deaths, 180, including typhus fever 1, whooping cough 25, and 32 from tuberculosis.

Madrid.—Month of January, 1909. Estimated population, 556,663. Total number of deaths, 1,902, including smallpox 14, enteric fever 6, scarlet fever 3, diphtheria 17, measles 134, whooping cough 4, and 144 from tuberculosis.

Seville.—Month of January, 1909. Estimated population, 148,315. Total number of deaths, 407, including measles 1, scarlet fever 1, diphtheria 1, and 53 from tuberculosis.

WEST INDIES—*Curaçao.*—Month ended February 5, 1909. Estimated population, 30,400. Total number of deaths, 38.

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Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to March 5, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Dec. 5	12	10	
China:				
Hongkong	Dec. 28-Jan. 2	1	1	
India:				
Bombay	Dec. 9-Feb. 2		74	
Calcutta	Nov. 1-Jan. 16		111	
Madras	Nov. 14-Jan. 8		50	
Negapatam	Oct. 31-Nov. 6		1	
Rangoon	Nov. 8-Jan. 23		15	
Indo-China—Cholen	Nov. 9-15	1	1	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1-Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1-Jan. 12	258	160	
Bataan	Nov. 1-7	1	1	
Bohol	Dec. 20-Jan. 12	60	37	
Bulacan	Nov. 1-Dec. 19	81	67	
Cagayan	Nov. 1-Jan. 12	109	64	
Capiz	Nov. 1-Jan. 2	908	495	
Cavite	Nov. 1-Jan. 12	73	56	
Cebu	Dec. 20-Jan. 12	12	8	
Ilocos Norte	Nov. 1-Jan. 12	331	231	
Ilocos Sur	Nov. 1-Jan. 2	207	140	
Iloilo	Nov. 1-Jan. 12	292	153	
La Laguna	Nov. 1-Jan. 12	71	46	
Leyte	Nov. 1-Jan. 12	142	121	
Negros Occidental	Nov. 1-Jan. 2	261	166	
Palawan	Nov. 1-Dec. 19	10	5	
Pampanga	Nov. 1-28	3	3	
Rizal	Nov. 1-Jan. 12	205	184	
Samar	Nov. 1-Dec. 26	140	98	
Surigao	Nov. 15-Jan. 12	7	4	
Union	Nov. 1-Jan. 12	12	8	
Zambales	Dec. 6-12	3	3	
Russia, general	Nov. 15-Jan. 30	3,603	1,494	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15-Jan. 23	34	13	
Bakoo	Nov. 22-28	3	2	
Batoom	Nov. 15-21	4	2	
Cronstadt	Nov. 15-Jan. 16	3	1	
Don, territory of	Nov. 15-Jan. 30	184	93	
Ekaterinislav	Nov. 15-Dec. 26	27	11	
Erivan	Dec. 1-31	28	21	
Helsingfors	Jan. 10	2		In vicinity.
Kerson	Nov. 15-Dec. 19	2		
Kharkov	Dec. 6-12	1		
Kief	Nov. 15-Dec. 12	11	1	
Kooban	Nov. 15-Jan. 2	139	76	
Kostroma	Dec. 6-12	1		
Livonia	Nov. 15-21	2	1	
Moscow district	Dec. 6-Jan. 30	8	8	
Moscow	Jan. 17-23	1	1	Imported.
Odessa	Nov. 29-Dec. 12	2	2	
Olonets	Nov. 21-28	1	1	
Poltava	Nov. 29-Dec. 5	3		
Samara gov't dist	Nov. 29-Dec. 5	7	7	
Samarcand	Dec. 6-12	10	7	In vicinity.
Saratov	Nov. 15-Dec. 12	11	6	
Semipalatinsk, territory of	Dec. 19-26	1		
Stavropol	Nov. 15-21	1		
St. Petersburg, government	Nov. 15-Dec. 30	12	7	
St. Petersburg	Nov. 29-Jan. 30	1,423	467	Feb. 9, still present.
Tambov	Nov. 15-Dec. 12	16	8	
Tavride	Nov. 15-Dec. 19	9	5	
Terek, territory of	Nov. 15-Dec. 19	99	62	
Tiflis	Nov. 15-21	9	4	
Tomsk	Nov. 15-Jan. 23	102	48	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Tver, district	Nov. 15–Dec. 5	4		
Volgoda	Dec. 6–12	1		
Yelisavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–Dec. 5	1		
Straits Settlements:				
Singapore	Nov. 8–Jan. 28		161	

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Barbados, general	Dec. 12–Feb. 11	25	11	Including the parishes of St. Andrew, St. Lucy, and St. Joseph.
Bridgetown	Dec. 12–Feb. 11	5		
Brazil:				
Bahia	Nov. 15–Jan. 16	53	18	Feb. 1. Epidemic.
Manaos	Nov. 29–Jan. 30		5	
Para	Nov. 22–Feb. 6		30	
Pernambuco	Nov. 15–30		1	
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1–2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29–Jan. 30		15	
Martinique:				
Fort de France	Dec. 13–Jan. 30	3	1	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–Feb. 6	13	7	
San Bernardo plantation	Dec. 27–Jan. 30	4	2	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Ticul	Feb. 1–6	1	1	
Veracruz	Dec. 6–Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Australia:				
Brisbane	Nov. 1–7	1	1	
Brazil:				
Bahia	Nov. 15–Jan. 9	23	12	Feb. 1, Epidemic.
Para	Jan. 24–Feb. 6		2	
Pernambuco	Nov. 1–Dec. 31		10	
Rio de Janeiro	Nov. 16–Jan. 17	57	29	
Chile:				
Iquique	Nov. 22–Jan. 26	22	8	
China:				
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–Jan. 2	2	2	
Tientsin	Oct. 18–Nov. 21			Still present.
Tongshan	Nov. 1–14			Present.
Ecuador:				
Guayaquil	Nov. 29–Jan. 30		17	
Milagro	Nov. 17–Dec. 12	17	8	Dec. 19, still present.
Egypt:				
Alexandria	Nov. 14–Dec. 4	8		
Port Said	Dec. 4	1		
Provinces—				
Assiout	Dec. 2–Jan. 13	5	5	
Beherach	Nov. 24–Dec. 26	11	6	
Dakaklieh	Feb. 4	1	1	
Galyoobeeyeh	Nov. 21–Feb. 2	3		
Garbieh	Nov. 27–Jan. 28	4	2	
Girgeh	Oct. 18–Feb. 1	6	6	
Fayoum	Nov. 23–Dec. 1	1	1	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Jan. 27	4		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay Presidency and Sind.	Nov. 2-Jan. 9	10,519	7,444	
Madras Presidency	Nov. 2-Jan. 9	634	475	
Bengal	Nov. 2-Jan. 9	1,261	1,064	
United Provinces	Nov. 2-Jan. 9	1,164	985	
Punjab	Nov. 2-Jan. 9	4,691	3,904	
Burma	Nov. 2-Jan. 9	1,129	1,093	
Central provinces, including Berar.	Nov. 2-Jan. 9	1,818	1,356	
Coorg	Nov. 2-Dec. 17	5	3	
Mysore State	Nov. 2-Jan. 9	1,845	1,301	
Hyderabad State	Nov. 2-Jan. 9	343	285	
Central India	Nov. 2-Jan. 9	555	438	
Rajputana	Nov. 2-Jan. 9	767	752	
Grand total		24,731	19,100	
Indo-China:				
Cholen	Oct. 25-Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25-Jan. 16	10	9	
Japan:				
Formosa	Nov. 8-Jan. 23	39	25	
Kagi, prefecture	Jan. 16	5		
Hiogo				
Kagoshima	Feb. 6	1		From s. s. Skinkochi.
Kobe	Jan. 20	2	2	Year 1908, 219 cases additional.
Nara				
Nishinomiya	Jan. 6	1		Year 1908, 2 cases additional.
Osaka	Dec. 22	2	1	Year 1908, 53 cases. Year 1908, 59 cases additional; Jan. 29, on s. s. Shinkochi Maru.
Yura		116	83	Year 1908.
Mauritius	Oct. 2-Nov. 28		64	
Peru:				
Callao	Nov. 13-Jan. 28	17	6	
Catacaos	Dec. 11-Jan. 14	4		
Chorrillos	Jan. 22-28	2	1	
Chepen	Nov. 27-Jan. 28	13	3	
Chiclayo	Nov. 13-Jan. 28	26	15	
Chota	Jan. 22-28		2	
Eten	Nov. 13-Dec. 31	11	10	
Ferrenafe	Nov. 13-Dec. 24	9	3	
Lima	Nov. 13-Jan. 28	38	13	
Mollendo	Nov. 13-Jan. 28	8	3	
Monsefu	Nov. 13-Dec. 24	7	2	
Motupe	Dec. 17-Jan. 14	2		
Oyotun, plantation	Nov. 20	4		
Paita	Dec. 11-17	3	2	
Piura	Dec. 11-Jan. 14	6	4	
San Jose (Lambayeque)	Nov. 13-Dec. 3	2		
San Pedro	Nov. 13-Jan 14	23	16	
Trujillo	Nov. 13-Jan. 28	129	57	
Zaña	Jan. 14-28	2	2	
Siam:				
Bangkok	Sept. 27-Dec. 19	7	1	Present in November.
Straits Settlements:				
Singapore	Nov. 30-Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6-Jan. 24	41	14	
Beirut	Dec. 17-Jan. 9	5	5	
Jiddah	Dec. 12-Jan. 24	9	9	Feb. 3, still present.
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1-Jan. 31		58	Imported.
Arabia:				
Aden	Nov. 25-Feb. 1		66	
Argentina:				
Buenos Aires	Oct. 1-31		1	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1		
Austria:				
Galicia	Dec. 20-Jan. 23	8		
Silesia	Jan. 3-9	1		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia	Nov. 15–Jan. 16	225	16	
Pernambuco	Nov. 1–Dec. 31		62	
Rio de Janeiro	Nov. 16–Jan. 17	1,165	563	
Santos	Nov. 1–Dec. 20		10	
São Paulo	Nov. 1–Dec. 27		36	
British Honduras:				
Stann Creek	Feb. 5–11	1		32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28–Jan. 2	4		
Canada:				
British Columbia—				
Vancouver	Dec. 1–31	1		
Victoria	Dec. 12	25	4	
Manitoba—				
Winnipeg	Dec. 20–Jan. 20	6		
Ontario, Province, general	Dec. 1–31	118		
Hamilton	Jan. 17–23	1		
Toronto	Nov. 8–28	7		
Nova Scotia—				
Halifax	Dec. 13–Feb. 13	43		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1–Feb. 20	26		And vicinity.
Quebec—				
Montreal	Dec. 26–Jan. 2	1		
Ceylon:				
Colombo	Nov. 1–21	62	13	
Chile:				
Talcaguana	Nov. 20–Jan. 28			Present in vicinity.
Valparaiso	Dec. 6–19	2		
China:				
Amoy	Oct. 11–Nov. 8		2	Dec. 19, still present.
Shanghai	Nov. 11–Jan. 10	4	1	3 cases Nov. 11–Dec. 28 from U. S. transport Seward.
Cuba:				
Habana	Dec. 26–Jan. 19	3		Case Dec. 26 on s. s. Floride, case Jan. 19 on s. s. Alfonso XIII.
Egypt, general	Nov. 12–Jan. 14	431	109	
Alexandria	Nov. 26–Jan. 14	13	7	
Cairo	Nov. 19–Jan. 28	229	95	
France:				
Marseille	Dec. 1–Jan. 31		2	
Paris	Nov. 22–Feb. 6	25	1	
Germany, general	Nov. 19–Feb. 13	32		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22–Jan. 2		4	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–Feb. 6	11	2	
London	Feb. 1–6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25–Feb. 2		58	
Calcutta	Nov. 1–Jan. 16		256	
Madras	Nov. 28–Jan. 29		5	
Rangoon	Nov. 22–Jan. 23		9	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–Jan. 9	10	7	
Italy, general	Nov. 30–Feb. 7	143		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–30	2		
Genoa	Dec. 1–Jan. 15	3		
Latrinole	Jan. 15–21	2		
Naples	Dec. 7–Feb. 7	211	42	Jan. 18, 1 case on s. s. Europa.
Palermo	Jan. 24–30	1		
Polesella	Dec. 1			Epidemic.
Japan:				
Formosa	Nov. 29–Jan. 16	10		
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–Jan. 16	33	3	
Malta	Nov. 22–Feb. 6	3		Case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17–23	1		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Acapulco	Jan. 11-31	12		
Guadalajara	Jan. 7-Feb. 11	5		
Mexico City	Nov. 8-Jan. 23		61	
Monterey	Jan. 4-Feb. 21		8	
Salina Cruz	Jan. 1-15	5		
Tehuantepec	Jan. 28-Feb. 3			Present.
Veracruz	Dec. 13-Jan. 9	3	2	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Rotterdam	Jan. 10-16	1		
Newfoundland	Feb. 9-13			Epidemic on south coast.
St. Johns	Jan. 10-Feb. 6	6		From s. s. Portia.
Norway:				
Bergen	Jan. 24-30		2	
Christiania	Nov. 22-28	1	1	
Paraguay:				
Asuncion	Dec. 20-26			Present.
Persia:				
Hamadan	Oct. 2-Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1-31			Do.
Sultanabad	Oct. 1-31			Do.
Tabriz	Oct. 2-8			Do.
Trebizond	Jan. 16			Do.
Teheran	Sept. 18-Oct. 28		17	
Peru:				
Lima	Nov. 22-Dec. 31	11		Jan. 21, 3 cases in the lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-Jan. 12	10	5	Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-Feb. 6	20		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1-31	1		
Moscow	Nov. 29-Jan. 30	174	74	
Odessa	Jan. 3-Feb. 6	24	4	
Riga	Nov. 29-Feb. 6	8		
St. Petersburg	Nov. 15-Jan. 30	70	22	
Warsaw	Nov. 1-Jan. 2		48	
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala
Servia:				
Belgrade	Dec. 6-12	2		
Siam:				
Bangkok	Nov. 1-30			Present.
Siberia:				
Vladivostok	Dec. 14-20	1		
Spain:				
Barcelona	Dec. 6-Feb. 23		14	
Cartagena	July 1-31		15	
Madrid	Nov. 1-Jan. 31		35	
Valencia	Nov. 29-Feb. 13	36	5	
Vigo	Nov. 30-Feb. 13		8	
Straits Settlements:				
Singapore	Dec. 28-Jan. 23		3	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bassorah	Jan. 3-30			Do.
Smyrna	Oct. 7-Jan. 21		60	Jan. 5, epidemic.
Turkey in Europe:				
Constantinople	Dec. 7-Feb. 7		47	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Feb. 6	178,210	70									2	2	3
Acapulco	Jan. 24	5,000	6											
Aguascalientes	Feb. 14	40,000	36	1										
Aix-la-Chapelle	Jan. 23	159,480	47	2										1
Antwerp	Jan. 30	323,921	82	5							3			
Asuncion	Jan. 21	75,000	24	1										
Athens	Jan. 31	241,058	136	16								2	1	
Bagdad	Jan. 16	250,000			2									
Bahia	Jan. 9	265,000	91	10	1		4	2					1	
Do	Jan. 16	265,000	102	14			4							
Barmen	Jan. 30	161,100	44	5							1		6	
Batavia	Jan. 9	194,000						1						
Belfast	Feb. 6	386,576	130	24								1		2
Belgrade	Jan. 30	80,000										1		
Belize	Feb. 11	9,113	14											
Bergen	Jan. 30	87,749	19	3				2				3		
Do	Feb. 6	87,749	21	3								1		
Berlin	Jan. 23	2,113,783	555	91						2	4	6	10	3
Birmingham	Feb. 6	558,336	227								3	7	20	6
Bluefields	...do	2,500	2											
Do	Feb. 13	2,500	3	1										
Bombay	Jan. 26	977,822	600	33	16	4		10		3			2	
Bordeaux	Feb. 6	253,000	181	21								1		1
Bradford	Jan. 9	293,983	95	5								3		1
Do	Jan. 16	293,983	92	9										1
Do	Jan. 23	293,983	95	7								3		1
Do	Jan. 30	293,983	96	7								2		
Breslau	Jan. 23	335,186	207	31							2	3		2
Do	Jan. 30	335,186	181	25										
Bristol	Feb. 6	377,642	101								1			3
Brussels	Jan. 30	693,720	197	26						3		3	1	1
Cairo	Jan. 21	701,806	367	21				18	8	4		7	3	
Calcutta	Jan. 16	847,796	574	42	18	15		117					4	
Cardiff	Feb. 6	195,303	57	2							1			1
Chemnitz	Jan. 30	270,947	86	12							1	2	1	1
Christiania	...do	237,000	55								2	1		
Cienfuegos	Feb. 13	37,000	16	2										
Cognac	Feb. 6	19,483	10	1										
Cologne	Jan. 30	467,653	161	23							2	6	7	2
Constantinople	Jan. 31	1,000,000	391	51				1		13	1	3		
Do	Feb. 7	1,000,000	414	48				3		18			1	
Copenhagen	Jan. 23	447,000	150	20							2	1	2	6
Do	Jan. 30	447,000	128	12							1	2		7
Dalny	Jan. 16	38,121	11							1				
Do	Jan. 23	38,121	10	1						1				
Denia	Jan. 30	12,631	3											
Dublin	...do	394,525	203	31						2		2	6	2
Dundee	...do	169,409	59								2			1
Do	Feb. 6	169,409	83								1	2		1
Durban	Jan. 16	60,972	9											
East London	Jan. 9	49,253	8											
Do	Jan. 16	49,253	12	1										
Edinburgh	Feb. 6	355,366	118									1		3
Fiume	Feb. 7	50,011	28	8										
Flushing	Feb. 6	21,206	11											
Frankfort-on-the-Main	Jan. 30	362,000	106								3	2	1	
Frontera	...do	9,000	7											
Geneva	Jan. 23	118,500	40							1				
Ghent	Jan. 30	164,579	77	3									1	1
Gibraltar	Feb. 7	26,830	4	1										
Glasgow	Feb. 12	872,021	300							1	2	6		33
Greenoch	Feb. 6	72,300	23											
Guadalajara	Feb. 11	125,000	84					2						
Guayaquil	Jan. 30	75,000	73	8	4		2							1
Halifax	Feb. 13	40,787	14									1		
Hamburg	Feb. 6	872,252	267	25						1	8	6	3	4
Hamilton, Bermuda	Feb. 16	20,206	6											
Havre	Jan. 30	132,430	68	13						5				
Hilo, T. H	...do	3,500	6							1				

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Honolulu	Jan. 16	39,306	19	1										
Do	Jan. 23	39,306	20	2								1		
Do	Jan. 30	39,306	17	3										
Hull	Feb. 6	275,552	95									1	2	
Kobe	Jan. 16	363,593	166						1			3		
Do	Jan. 23	363,593	164									1		
Königsberg	...do	237,600	72	7							2			1
Do	Jan. 30	237,600	88	13										
Lausanne	Jan. 23	56,000	20											
Leeds	Feb. 6	484,012	157	11						3		1	1	3
Leipzig	Jan. 30	537,686	124	11						2	2	2	1	1
Leith	Feb. 6	85,721	24	3										
Liverpool	...do	760,357	307	22						1	10	3	5	7
London	...do	4,833,938	1,878	164				1		7	11	24	52	29
Lübeck	Jan. 30	96,000	41	2						1			1	
Lyon	...do	472,114	184	28							1	2		
Madras	Jan. 22	509,346	376					1					3	
Magdeburg	Jan. 30	250,494	94	11							6	3		1
Manaos	Jan. 23	54,000	24	1										
Manchester	Feb. 6	655,435	309	30						5	2	5	15	8
Mannheim	Jan. 23	181,612	44	5									1	2
Manzanillo	Feb. 6	1,700	1											
Do	Feb. 14	1,700	3											
Matamoras	Feb. 13	8,000	3											
Mazatlan	Feb. 6	22,000	21											
Mexico	Jan. 2	400,000	503	36				5		9	31	13	1	4
Do	Jan. 9	400,000	519	38				4	15		37	9	1	2
Do	Jan. 16	400,000	528	29				6	31		21	6	3	3
Do	Jan. 23	400,000	446	25				9	12		25	4	1	6
Moncton, N. B	Feb. 13	13,500	7	1										
Monterey	Feb. 14	100,000	60	5				1						
Montreal	Feb. 13	378,856	162	14						3	7	2	5	
Moscow	Jan. 30	1,335,104	821	115				10	10	4	9	16	6	4
Munich	Jan. 16	566,000	165	18							1	4	4	4
Do	Jan. 23	566,000	169	28							4	5	2	3
Do	Jan. 30	566,000	183	30						1	1	3	2	1
Newcastle-on-Tyne	Feb. 6	281,584	80								1	2	2	2
Niuchwang	Jan. 23	60,000	13											
Nottingham	Jan. 30	260,000	101							1			4	2
Nuremberg	Jan. 23	316,180	92	6							2	1	1	3
Odessa	...do	467,000	200	22					2		5	3	1	2
Para	...do	185,000	92	9			3							
Do	Jan. 30	185,000	81	5	1		1							
Penang	Jan. 9	102,520	89	12										
Plymouth	Feb. 6	124,180	42											
Prague	Jan. 23	229,571	118	17						2	1			
Do	Jan. 30	229,571	127	27						1	2	2		1
Queenstown	Feb. 6	7,909	2											
Rangoon	Jan. 16	252,155	141	5	8	1								
Rotterdam	Feb. 6	411,629	129								1	2		
Saigon	Jan. 9	208,000						1						
St Petersburg	Jan. 23	1,678,000	953	198		113		2		21	17	15	12	6
San Feliu de Guixols	Feb. 6	11,094	5							1				1
Santa Cruz de Teneriffe	Jan. 30	46,000	14	1									1	
Santiago de Cuba	Feb. 13	45,497	17	2										
Singapore	Jan. 9	269,000	270	26		14				4				
Southampton	Feb. 6	124,667	39	7										1
South Shields	...do	117,627	36	2										
Stettin	Jan. 30	230,000	100	8								2	2	
Stockholm	Jan. 23	337,460	109	21							1	1		
Sunderland	Feb. 6	159,137	54	6								1	3	
Tientsin	Jan. 9	1,000,000	4											
Do	Jan. 16	1,000,000	2											
Trieste	Jan 30	216,680	124								1	2		
Turin	Jan. 24	381,439	142	19						1		1	1	
Do	Jan. 31	381,439	146	13						1		2		
Valencia	Jan. 30	250,000	119	11								1		
Veracruz	...do	32,000	27	9			1							
Do	Feb. 6	32,000	88	12										
Do	Feb. 13	32,000	35	9			1							
Vevey	Jan. 23	14,000	1											
Victoria, B. C	Feb. 13	30,000	5											

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Vigo	Feb. 6	40,000	15	....	....	....	....	....	....	....	....	....	1	....
Vienna	Jan. 23	2,042,426	699	121	....	....	....	....	....	....	6	10	13	3
Do	Jan. 30	2,042,426	709	97	....	....	....	....	....	....	8	8	12	3
Winnipeg	Feb. 13	118,000	28	....	....	....	....	....	....	1	....	....	1	....
Yokohama	Jan. 25	378,884	....	....	....	....	....	....	....	1	1	....	....	....
Zanzibar	Dec. 31	75,000	31	5	....	....	....	....	....	....	....	....	1	....
Do	Jan. 7	75.000	13	3	....	....	....	....	....	....	....	....	....	....
Do	Jan. 14	75,000	12	1	....	....	....	....	....	....	....	....	....	....
Zurich	Feb. 6	180,000	39	5	....	....	....	....	....	....	....	....	....	....

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended February 27, 1909.

Sick inspected	3
Plague	0
Dead inspected	139
Plague	0
Premises inspected	1,948
Houses disinfected	6
Nuisances abated	262
Rats found dead	35
Rats trapped	1,971
Total rats taken	2,006
Rats identified:	
Mus norvegicus	1,255
Mus rattus	32
Mus musculus	712
Total	1,999
Rats identified as to sex	1,259
Male	571
Female	688
Rats examined bacteriologically	1,121
Plague rats	0
Squirrels caught (Citellus beecheyi)	4
Squirrels examined bacteriologically	4
Plague squirrels	0
Poisons placed	7,901

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OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended February 20, 1909.

Dead inspected	33
Plague	0
Premises inspected	837
Premises cleaned	245
Places made rat proof	2
Garbage cans installed	197
Nuisances abated	188
Rats found dead	65
Rats trapped	543
Total rats taken	608
Mice trapped	54
Rats identified:	
Mus norvegicus	605
Mus rattus	3
Mus musculus	54
Total	662
Rats examined bacteriologically	582
Plague rats	0
Mice examined bacteriologically	54
Plague mice	0
Poisons placed	22,465

POINT RICHMOND, CAL.

Week ended February 20.

Sick inspected	3
Plague	0
Dead inspected	3
Plague	0
Premises inspected	490
Nuisances abated	21
Rats found dead	13
Rats trapped	18
Rats examined bacteriologically	19
Plague rats	0
Poisons placed	14,000

ALAMEDA COUNTY, CAL.

Week ended February 20.

Sick inspected	3
Plague	0
Dead inspected	61
Plague	0

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CONTRA COSTA COUNTY, CAL.

Week ended February 20.

Dead inspected	1
Plague	0
Ground squirrels trapped	15
Ground squirrels examined bacteriologically	15
Plague ground squirrels	0
Rabbits trapped	1
Rabbits examined bacteriologically	1
Plague rabbits	0
Ranches inspected	42
Ranches poisoning squirrels	39
Ranches found free of squirrels	3

Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson, plague laboratory, reports, February 26:

Animals examined in the laboratory in this city from February 15 to 21, inclusive:

Ground squirrels	55
Gray rats	432
Black rats	31
White rats	6

None of these animals was found to be infected with plague.

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, February 23:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended February 20, 1909.

Plague-infected rats to date	21
Rats received	772
Rats necropsied	726
Plague rats	0
Vessels inspected	14
Vessels fumigated	2

Report from New York, N. Y.—Beriberi on ship King George.

Surgeon Bailhache reports, March 1:

The captain and 6 of the crew of the ship *King George* were admitted to this hospital February 28 suffering with beriberi and are in a very serious condition. The ship has been 134 days at sea and lost 1 man, who was suffering with the same disease, en route to this port.

The ship *King George* left Hongkong October 16.

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STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA.—Month of January, 1909. Estimated population, 2,037,929. Total number of deaths reported to the state board of health, 2,622, including diphtheria 28, enteric fever 34, measles 6, scarlet fever 6, whooping cough 10, smallpox 1, and 407 from tuberculosis.

Oakland.—Month of January, 1909. Estimated population, 220,000. Total number of deaths, 151, including diphtheria 3, enteric fever 1, and 16 from tuberculosis. Cases: Diphtheria 16, enteric fever 2, scarlet fever 18, smallpox 4, and tuberculosis 5.

CONNECTICUT—*Bridgeport.*—Month of January, 1909. Estimated population, 100,000. Total number of deaths, 114, including measles 1, and 12 from tuberculosis. Cases: Diphtheria 11, enteric fever 3, scarlet fever 18, measles 25, and pulmonary tuberculosis 8.

Stamford.—Month of February, 1909. Estimated population, 22,000. Number of deaths not reported. Cases: Diphtheria 6, measles 174, whooping cough 1, scarlet fever 5, and tuberculosis 3.

ILLINOIS—*Chicago.*—Annual report for the year 1908. Estimated population 2,166,055. Total number of deaths, 30,548, including diphtheria 568, scarlet fever 398, measles 174, whooping cough 140, enteric fever 338, and 3,934 from tuberculosis. Cases: Diphtheria 5,439, scarlet fever 3,305, smallpox 77, measles 6,691, enteric fever 3,228, whooping cough 1,135, and tuberculosis 2,577. Deaths for the year correspond to an annual death rate of 14.10 per 1,000 of population.

INDIANA—*Muncie.*—Month of February, 1909. Estimated population, 23,118. Total number of deaths, 21, including 4 from tuberculosis. Cases: Measles 5, scarlet fever 5, enteric fever 1, and tuberculosis 2.

IOWA—*Davenport.*—Month of February, 1909. Estimated population, 42,000. Total number of deaths, 6, including enteric fever 1, and 4 from tuberculosis. Cases: Enteric fever 2, scarlet fever 7, diphtheria 8, measles 19, whooping cough 1, and tuberculosis 6.

Keokuk.—Month of January, 1909. Estimated population, 16,000. Total number of deaths, 23, including 3 from tuberculosis. Cases: scarlet fever 3, measles 1, and tuberculosis 1.

KENTUCKY—*Henderson.*—Month of February, 1909. Estimated population, 17,900. Total number of deaths, 17, including whooping cough 1, and 5 from tuberculosis. Cases: Enteric fever 4, scarlet fever 1, whooping cough 1, and tuberculosis 5.

MISSOURI—*St. Louis.*—Month of December, 1908. Estimated population, 722,200 (white, 675,700; colored, 46,500). Total number of deaths, 840 (white, 760; colored, 80), including diphtheria 20, measles 2, enteric fever 10, scarlet fever 5, whooping cough 1, and 88 from

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pulmonary tuberculosis. Cases of contagious diseases reported: Diphtheria 304, enteric fever 27, measles 155, scarlet fever 117, whooping cough 16, smallpox 2, and tuberculosis 176.

NEW HAMPSHIRE—*Concord.*—Month of February, 1909. Estimated population, 20,000. Total number of deaths, 37, including 4 from tuberculosis. Cases: Diphtheria 1, scarlet fever 1, measles 3, and tuberculosis 4.

NEW JERSEY.—Reports to the state board of health for the month of February, 1909, show a total of 3,277 deaths, including diphtheria 60, enteric fever 25, measles 36, scarlet fever 39, whooping cough 18, and 355 from tuberculosis.

NEW YORK—*New York, including the boroughs of Manhattan, The Bronx, Brooklyn, Queens, and Richmond.*—Annual report for the year 1908. Estimated population, 4,422,685. Total number of deaths, 73,072, including enteric fever 536, smallpox 1, measles 972, scarlet fever 1,333, whooping cough 188, diphtheria 1,758, and 10,157 from tuberculosis. Cases: Diphtheria 16,431, measles 38,276, scarlet fever 24,426, enteric fever 3,058, smallpox 17, and tuberculosis 23,325. The total number of deaths correspond to an average annual death rate of 16.52 per 1,000 of population.

Troy.—Month of January, 1909. Estimated population, 77,650. Total number of deaths, 131, including whooping cough 1, enteric fever 3, and 23 from tuberculosis. Cases: Enteric fever 5, diphtheria 5, scarlet fever 15, whooping cough 7, measles 2, and tuberculosis 17.

OHIO—*Zanesville.*—Month of February, 1909. Estimated population, 30,000. Total number of deaths, 33, including enteric fever 1, and 3 from tuberculosis. Cases: Enteric fever 3, scarlet fever 3, and diphtheria 1.

PENNSYLVANIA—*Altoona.*—Month of February, 1909. Estimated population, 60,000. Total number of deaths, 45, including scarlet fever 1, diphtheria 1, and 1 from tuberculosis. Cases: Diphtheria 6 and scarlet fever 20.

TENNESSEE—*Memphis.*—Month of January, 1909. Estimated population, 102,320. Total number of deaths not reported, including enteric fever 2, scarlet fever 1, diphtheria 1, and 22 from tuberculosis. Cases: Smallpox 61, scarlet fever 23, and diphtheria 30.

TEXAS—*Houston.*—Annual report for the year 1908. Estimated population 80,000. Total number of deaths 941, including enteric fever 32, smallpox 1, measles 2, whooping cough 5, diphtheria 16, and 117 from tuberculosis. Cases: Smallpox 63, diphtheria 76, scarlet fever 12.

Month of January, 1909. Total number of deaths 94, including enteric fever 3, diphtheria 5, and 11 from tuberculosis. Cases: Diphtheria 12, scarlet fever 3, and smallpox 3.

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Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to March 12, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Jan. 12–Feb. 6	7		
Tuscaloosa County	Feb. 6–Dec. 31	86		Year 1908.
Total for State		93		
Arkansas:				
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		58		
California, general	Nov. 1–Dec. 31		3	
Los Angeles	Dec. 6–Feb. 20	16		
Oakland	Nov. 1–Jan. 31	10		
Sacramento	Nov. 1–Dec. 31	24		
San Francisco	Dec. 13–Feb. 20	21		
Stockton	Nov. 1–30	12		
Total for State		83	3	
Colorado, general	July 1–Feb. 23	109		
District of Columbia:				
Washington	Dec. 28–Feb. 27	7		
Total for District		7		
Georgia:				
Cobb County	Jan. 16–Feb. 7	8		
Paulding County	Jan. 16–Feb. 7	15		
Total for State		23		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Feb. 27	211		
Thebes	Jan. 1–31	2		
Bureau County—				
Ladd	Nov. 1–30	4		
Christian County—				
Taylorville	Aug. 1–Jan. 20	40		
Clinton County—				
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–Mar. 6	7		
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		
Fulton County—				
Canton	Jan. 1–31	38		
Cuba	Jan. 1–31	1		
Lewiston	Jan. 1–31	6		
Jackson County—				
Murphrysboro	Jan. 1–31	45	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–31	1		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–27	2		
Lake County—				
Waukegan	Feb. 2–20	3		
McLean County—				
Bloomington	Jan. 1–31	5		
Macon County—				
Decatur	Jan. 1–31	8		
Macoupin County—				
Palmyra	Dec. 25–Jan. 20	4		
Scottsville	Dec. 25–Jan. 20	12		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Marion County—				
Centralia	July 1–Jan. 20	53		
Odin	Jan. 1–31	1		
Sandoval	Jan. 1–31	1		
Mason County	Jan. 1–31			Present in Havana and Quiver townships.
Massac County—				
Metropolis	Jan. 1–31	1		
Mercer County	Jan. 1–31	1		In North Henderson township.
Montgomery County	Jan. 1–31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5–11	1		
Peoria County—				
Peoria	Dec. 20–Feb. 3	7		Present in Glasford and in Timber and Trivoli townships.
Pulaski County	Jan. 1–31			Present in Pulaski.
Mounds	Jan. 1–31	3		
Mound City	Jan. 1–31	7		
Randolph County—				
Percy	Jan. 1–31	1		
St. Clair County—				
Belleville	Dec. 4–20	3		Present in January.
Mascoutah	Jan. 1–31	1		
Millstadt		1		
Saline County—				
Eldorado	Jan. 1–31	1		
Sangamon County—				
Pawnee	Jan. 1–31	2		
Schuyler County—				
Browning	Oct. 12–Jan. 20	75		
Tazewell County	Jan 1–31			Present in Elm Grove township.
Pekin	Jan. 1–31	28		
Vermilion County—				
Danville	Jan. 11–Feb. 28	7		
Williamson County—				
Carterville	Jan. 1–31	2		
Johnston City	Jan. 1–31	1		
Marion	Jan. 1–31	6		
Total for State		622	1	
Indiana:				
Allen County	Dec. 1–31	1		
Fort Wayne	Jan. 10–Feb. 6	4		
Bartholomew County	Dec. 1–31	1		
Benton County	Nov. 1–Dec. 31	4		
Boone County	Nov. 1–Dec. 31	2		
Carroll County	Oct. 1–31	26		
Clay County	Oct. 1–31	8		
Dearborn County	Oct. 1–31	1		
Delaware County	Dec. 1–31	52		
Elkhart County	Oct. 1–Nov. 30	7		
Elkhart	Jan. 17–Feb. 20	6		
Franklin County	Dec. 1–31	1		
Gibson County	Dec. 1–31	1		
Grant County	Dec. 1–31	2		
Union	Feb. 6	5		
Hamilton County	Dec. 1–31	1		
Harrison County	Dec. 1–31	1		
Hendricks County	Nov. 1–Dec. 31	5		
Madison County	Oct. 1–31	1		
Anderson	Dec. 1–31	1		
Marion County	Dec. 1–31	1		
Indianapolis	Jan. 18–Feb. 28	5		
Miami County	Dec. 1–31	1		
Rush County	Dec. 1–31	24		
Shelby County	Dec. 1–31	1		
Spencer County	Dec. 1–31	1		
St. Joseph County	Dec. 1–31	12		
Sullivan County	Oct. 1–31	2		
Tippecanoe County	Oct. 1–Dec. 31	77		
Lafayette	Dec. 15–Mar. 1	53	1	
Tipton County	Nov. 1–Dec. 31	2		
Vanderburg County—				
Evansville	Jan. 10–Feb. 20	10		
Vigo County	Oct. 1–Dec. 31	7		
Wabash County	Nov. 1–Dec. 31	4		
Warren County	Dec. 1–31	7		
Wayne County	Nov. 1–30	8		
Total for State		345	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Council Bluffs	July 1-Feb. 28	32	2	
Dubuque	Oct. 1-Jan. 31	87	1	
Total for State		120	5	
Kansas:				
Atchison County—				
Atchison	Dec. 20-Jan. 16	2		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Dec. 31	45		
Crawford County—				
Pittsburg	Nov. 1-Dec. 31	107		
Franklin County	Dec. 1-31	1		
Harvey County	Nov. 1-Dec. 31	4		
Jackson County	Nov. 1-Dec. 31	95		
Jefferson County	Dec. 1-31	2		
Jewell County	Dec. 1-31	2		
Montgomery County	Nov. 1-Dec. 31	18		
Nemaha County	Dec. 1-31	2		
Phillips County	Dec. 1-31	2		
Pottawatomie County	Nov. 1-Dec. 31	36		
Pratt County	Dec. 1-31	20		
Reno County	Nov. 1-Dec. 31	8		
Riley County	Nov. 1-30	2		
Saline County	Nov. 1-Dec. 31	31		
Shawnee County	Nov. 1-Dec. 31	6		
Topeka	June 7-Feb. 20	71		
Sheridan County	Dec. 1-31	9		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Dec. 31	7		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-Feb. 27	17		
Total for State		496		
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Covington	Dec. 29-Mar. 6	15		
Henderson		7		Jan. 1-June 30, 1908.
Lexington	Dec. 28-Feb. 27	37		
Newport	July 1-Jan. 31	20	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24-Feb. 27	38		
Total for State		317	2	
Louisiana:				
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20-Feb. 27	22		
Shreveport	Jan. 1-20	32	1	
Total for State		84	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-Feb. 6	94		
Total for State		145		
Maryland:				
Baltimore	Jan. 30-Feb. 6	1		
Total for State		1		
Massachusetts:				
New Bedford	Jan. 30-Feb. 27	2		
Taunton	Jan. 3-9	1		
Total for State		3		
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31	1		
Ingham County—				
Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County—				
Grand Rapids	Jan. 24-Feb. 20	2		
Lapeer County	Dec. 1-31	2		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-Feb. 20	4		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Feb. 27	5		
Wexford County	Dec. 1-31	2		
Total for State		70		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 20-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Jan. 31	43		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicolett County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Oct. 6-Dec. 13	57		
Renville County	Dec. 1-7	1		
St. Louis County				
Duluth	Nov. 9-Jan. 22	3		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Waseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-30	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-Jan. 31	5		
Yellow Medicine County	Oct. 20-26	1		
Total for State		260		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-Feb. 27	6		
St. Joseph	Dec. 1-31	1		
St. Louis	Dec. 20-Feb. 27	14		
Springfield	Nov. 1-Dec. 31	2		
Total for State		23		
Montana:				
Cascade County	Nov. 1-30	4		
Flathead County	Nov. 1-30	1		
Gallatin County	Nov. 1-30	13		
Bozeman	Nov. 1-30	15		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Montana—Continued.				
Jefferson County	Nov. 1-30	4		
Ravalli County	Nov. 1-30	4		
Silverbow County	Nov. 1-30	5		
Butte	Dec. 2-Feb. 16	23		
Yellowstone County	Nov. 1-30	1		
Total for State		70		
Nebraska:				
Lincoln	Nov. 1-Jan. 31	7		
South Omaha	Dec. 20-Feb. 13	6		
Total for State		13		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
West Lebanon	Jan. 15-Feb. 7	2		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21-Mar. 6	3		
Total for State		3		
New York, general	Nov. 1-Dec. 31	75	1	
Buffalo	Feb. 14-20	1		
Mohawk Valley			1	Year 1908.
New York	Feb. 21-27	1	1	
Niagara Falls	Feb. 7-13	1		
Rome	Jan. 1-31	1		
Schenectady	Feb. 7-13	1		
Syracuse	Jan. 9-31	3		
Total for State		83	3	
North Carolina:				
Bertie County	Nov. 1-30	1		
Catawba County	Nov. 1-Dec. 31	4		
Currituck County	Nov. 1-30	3		Present to Dec. 31.
Duplin County	Dec. 1-31	10		
Edgecombe County	Dec. 1-31	1		
Johnston County	Nov. 1-30	1		
Lenoir County	Dec. 1-31	20		
Lincoln County	Dec. 1-31	1		
Pasquotank County	Nov. 1-Dec. 31	29		
Wilmington	Jan. 22-Mar. 1	4		Imported.
Total for State		74		
North Dakota	July 1-Feb. 19	168		
Ohio, general	June 14-Jan. 2	337		
Cincinnati	Dec. 12-Mar. 5	161	1	
Cleveland	Feb. 28-Mar. 5	2		
Dayton	Jan. 24-Feb. 20	5		
Newark		3		Year 1908.
Tiffin	Jan. 3-23	2		
Total for State		510	1	
Oregon:				
Clackamas County	Sept. 1-30	1		
Harney County	Sept. 1-30	1		
Jackson County	Oct. 1-Dec. 31	9		
Lane County	Dec. 1-31	10		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Dec. 31	4		
Multnomah County	Dec. 1-31	5		
Portland	Nov. 1-Dec. 31	50		
Polk County	Sept. 1-Dec. 31	9		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-Dec. 31	6		
Wallowa County	Oct. 1-31	1		
Washington County	Oct. 1-Dec. 31	23		
Yamhill County	Sept. 1-Dec. 31	17		
Total for State		142		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Kingstown	Dec. 29			Present.

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Pennsylvania—Continued.				
Philadelphia	Dec. 19-25	1		
Pittsburg	Dec. 13-19	1		Imported.
Total for State		6		
South Dakota:				
Aberdeen	May 1-Jan. 31	43		
Total for State		43		
Tennessee:				
Green County	Jan. 2	103		Including Greenville.
Knoxville	Dec 28-Feb. 27	13		
Memphis	Jan. 1-Mar. 6	126		
Nashville	Dec. 20-Feb. 27	35		
Polk County	Jan. 22	30		
Total for State		307		
Texas:				
Cost	Oct. 1-Dec. 19			Present.
Cotulla	Jan. 25-Feb. 17			Do.
Denton County	Jan. 1-Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10-28	3		
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Goliad County	Dec. 1-Jan. 20	25		
Houston	Jan. 1-31	3		
Laredo	Dec. 26-Feb. 13	4		
Monthalia	Oct. 1-Dec. 19			Present.
Oak Forest	Oct. 1-Dec. 19			Do.
San Antonio	Dec. 13-Feb. 27	69		
San Augustine County	Jan. 5			Do.
Total for State		381		
Utah:				
Davis County	Nov. 1-Dec. 31	20		
Garfield County	Dec. 1-31	9		
Salt Lake County	Dec. 1-Jan. 31	136		
Salt Lake City	Dec. 1-Jan. 31	187	1	
Sanpete County	Dec. 1-31	1		
Summit County	Dec. 1-31	7		
Utah County	Dec. 1-31	1		
Weber County	Nov. 1-Dec. 31	2		
Total for State		363	1	
Vermont:				
Newfane	Jan. 11	8		And vicinity
West Windsor, township	Jan. 23	2		
White River Junction	Jan. 4-Feb. 9	3		
Total for State		13		
Virginia:				
Lynchburg	Jan. 10-30	3		Imported.
Norfolk	Feb. 5-17	3		On tug E. W. Marts.
Port Royal	Dec. 28-Jan. 14	3		
Total for State		9		
Washington:				
Seattle	Oct. 1-Jan. 31	15		
Spokane	Dec. 6-Feb. 20	10	1	
Tacoma	Dec. 14-Jan. 17	31		
Total for State		56	1	
West Virginia:				
Charleston	Jan. 1-31	1		
Moundsville				Present in January.
Weston	Jan. 15-Feb. 13	1		
Total for State		2		
Wisconsin:				
La Crosse	Dec. 13-Feb. 27	32		
Manitowoc	Dec. 13-Feb. 27	14		
Milwaukee	Dec. 6-Feb. 27	110		
Total for State		156		
Grand total for the United States		5,403	19	

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Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Feb. 27	38,973	8	6				6		2		2			
Ann Arbor, Mich	...do	14,509	4	2								1		3	
Baltimore, Md	...do	508,957	187	15	34	6		18		34	2	135	2	3	1
Bayonne, N. J	...do	32,722						4		3	1	31		1	
Beaver Falls, Pa	...do	13,000						2		1					
Berkeley, Cal	Feb. 20	13,214	10		1			1		1		1			
Biddeford, Me	Feb. 27	16,145	6	1	1										
Binghamton, N.Y.[a]	...do	38,647	19		2						1				
Boston, Mass	...do	560,892	225	41	13	1	1	55	1	43	6	54	3	11	4
Braddock, Pa	...do	15,654	9	1	1										
Bradford, Pa	...do	15,029	4	1				2							
Brockton, Mass	...do	40,063	7	2		1		2				149		15	1
Cambridge, Mass	...do	91,886	35	8				12	1	6		13			1
Camden, N. J	...do	75,935	36	1				9		8	2				
Camden, S. C	...do	2,411										3			
Carbondale, Pa	...do	13,536	9	1	1			1				1			
Charlotte, N. C	Feb. 26	18,091	2									14			
Chelsea, Mass	Feb. 27	34,072	9	1	1			4		1					
Chicago, Ill	...do	1,698,575	659	107	67	76	11	132	11	116	18	100	5	14	3
Chicopee, Mass	...do	19,167	4									1		1	1
Cincinnati, Ohio	Feb. 26	325,902	118	8	19	4	3	16	1	5		3		3	
Cleveland, Ohio	...do	381,768	134	24	21	2		16		14	1	12		12	
Clinton, Mass	Feb. 27	13,667	3												
Columbus, Ga	...do	17,614	2												
Covington, Ky	...do	42,938	18	1	3			3		1					
Danville, Ill	Feb. 28	16,584	8		2			1				1			
Dayton, Ohio	Feb. 27	85,333	41		6			2		2		9			
Detroit, Mich	...do	285,704	127					10	2	13	1				
Duluth, Minn	Feb. 25	80,000	21	2	2			8	1	13					
Dunkirk, N. Y	Feb. 27	11,616	3												
E. Liverpool, Ohio	Feb. 13	16,485	4												
Do	Feb. 20	16,485	4	1	1										
Do	Feb. 27	16,485	6	1	1	1	1								
Elmira, N. Y	...do	35,672	16		1	1		1				5			
Elkhart, Ind	...do	15,184	2									5			
Erie, Pa	Feb. 28	52,733	19	4	3	3		6		3				8	
Evansville, Ind	Feb. 27	59,007	16		4	2	1			1				2	2
Everett, Mass	...do	24,336		1				3		4					
Fall River, Mass	...do	104,863	31	2	2	4		1				4		2	
Findlay, Ohio	...do	17,613	3					1							
Fort Wayne, Ind	...do	45,115	16					1							
Galesburg, Ill	...do	18,607	1					2		2					
Galveston, Tex	Feb. 26	37,789	7					1							
Glens Falls, N.Y	Feb. 27	13,543	6	2	2	1									
Gloucester, Mass	...do	26,121	2												
G'd Rapids, Mich	...do	87,565	25	3	3	4		20		2		2		12	1
G't Falls, Mont	Feb. 28	14,930	7	1	1	2		8		3		4			
Greensboro, N. C	Feb. 27	10,035	4	1								1			
Harrison, N. J	...do	10,596	4	1	1			1							
Hartford, Conn	Feb. 21	79,850	21	3	1			3		2		1		1	
Haverhill, Mass	Feb. 27	37,175	10	3	2					1				5	
Indianapolis, Ind	Feb. 28	169,164	59		6	1		1		3	1	24		1	2
Jacksonville, Fla	Feb. 27	28,429	15	2	2	3	1			1					
Jacksonville, Ill	Feb 11	15,078	5												
Do	Feb. 18	15,078	9												
Do	Feb. 25	15,078	10												
Jersey City, N. J	Feb. 28	206,433		2	9	1	1	24	3	25	3	71		4	4
Johnstown, Pa	Feb. 27	35,936	22		2	1		12	1	3		7			
Kalamazoo, Mich	Feb. 20	24,404	16	1	3			1		1					
Do	Feb. 27	24,404	10					1		2					
Kansas City, Kans	...do	51,418	20	2	4	3						5		2	
Kansas City, Mo	...do	163,752	71		6	10		4		7	1	2			
Kearny, N. J	...do	10,896	6					1		1					
Kingston, N. Y	Feb. 26	24,535	13		3										
Knoxville, Tenn	Feb. 27	32,637	17					1		1	1	10			
La Crosse, Wis	...do	28,895	10												
La Fayette, Ind	Mar. 1	18,116	4									1			
Lancaster, Pa	Feb. 28	41,459	10		2			1		1		1			
Lawrence, Mass	Feb. 27	62,559	35	3	2	4	1	4		2		6			
Lexington, Ky	...do	26,369	19		4			1		1				12	1
Little Falls, N.Y	Feb. 28	10,381	1												
Los Angeles, Cal	Feb. 20	102,479	78	9	14	4		15		7		2			

[a] Four deaths occurred in State Hospital.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Lowell, Mass	Feb. 27	94,969	38	2	4			4		2		2			
Lynn, Mass	Feb. 20	68,513	21			1		6		9		3			
Do	Feb. 27	68,513	32		2	1		5		5		2			
McKeesport, Pa	Feb. 6	34,227	8			1		1				3		15	1
Do	Feb. 13	34,227	12		2					2		2		7	
Do	Feb. 20	34,227	19	1		4	1			2	1	1		19	
Do	Feb. 27	34,227	17		1	5	1	1		3	1	2		11	
Malden, Mass	do	33,664	11	3	1			2		2		20		2	
Manchester, N. H.	do	56,987	32	6	6			2		7	1				
Manitowoc, Wis	do	11,786	2							1		3			
Mansfield, Ohio	do	17,650							1	1		2			
Marinette, Wis	do	16,195	3			1		1							
Marion, Ind	do	17,337	3							1					
Massillon, Ohio	Feb. 26	11,944	2												
Medford, Mass	Feb. 27	18,244	6		1					1	1				
Melrose, Mass	do	12,962	1					1						3	
Milwaukee, Wis	Feb. 20	285,315	89	16	10	12	2	31	5	14	1	50	2	3	
Do	Feb. 27	285,315	81	19	12	23		24	2	11	3	111		11	
Montclair, N. J	do	13,962	2	1				1				18			
Montgomery, Ala	Feb. 26	30,346	15		2		1								
Moline, Ill	Feb. 28	17,248	9	2				4				8	2		
Morristown, N. J	Feb. 27	13,000	5					1							
Mount Vernon, N. Y	do	21,228	14			1						21			
Muncie, Ind	do	20,942	10		3			3							
Nanticoke, Pa	Feb. 28	12,616	5	2	1					2					
Nashville, Tenn	Feb. 27	80,865	34	4	2		1	1		1					
Nebraska City, Nebr	do	7,200	4					1							
New Bedford, Mass	do	63,442	30	4	4			5		3		2			
New Brunswick, N. J	Feb. 13	20,006								1					
Do	Feb. 27	20,006				1				1	1				
Newburyport, Mass	do	14,478	7												
New London, Conn	do	17,548	9			1		1							
New Orleans, La	do	278,104	131	20	16	6	3	48	3	3					
Newton, Mass	do	33,587	12		1			3		1		4			
New York, N. Y	do	3,437,202	1,375	377	167	27	4	373	29	326	45	635	27	47	7
Niagara Falls, N. Y.	do	19,457	9	4		8		8		3		1			
Norristown Pa	Feb. 20	22,265	14			1	1	1		1		6			
Do	Feb. 27	22,265	5									6			
North Adams, Mass	do	24,200	8		1										
Northampton, Mass	do	18,643	6	1	1	1		2				12			
Oklahoma City, Okla	Feb. 20	43,500	7	1	1	1				1					
Do	Feb. 27	43,500	17			1		2		2					
Orange, N. J	do	24,141	8	3	4			2							
Ottumwa, Iowa	do	18,197	9	1						1	1			3	
Paducah, Ky	do	19,446	7	3	1	1									
Passaic, N. J	Feb. 26	27,777	13							1		4			
Philadelphia, Pa	Jan. 16	1,293,697	514	173	73	128	6	75	1	69	7	99	5	11	1
Do	Jan. 23	1,293,697	529	154	68	116	20	63	2	100	9	86	3	10	1
Do	Jan. 30	1,293,697	574	149	70	64	8	70	6	81	15	96	7	18	2
Do	Feb. 6	1,293,697	582	138	68	71	13	59	3	84	16	78	3	15	4
Pittsfield, Mass	Feb. 27	21,766	8	4				1							
Plainfield, N. J	do	15,369	8	3				3		1		4			
Plymouth, Pa	do	13,649								1		1			
Portsmouth, N. H	do	10,637								1					
Portsmouth, Va	Mar. 2	17,427	5					1							
Providence, R. I	Feb. 27	175,597	68	7	8	2		8		13	2				
Racine, Wis	do	29,102	9					1							
Reading, Pa	Mar. 1	78,961	33	2	3	1		5		4	3	2			
Richmond, Va	Feb. 27	85,050	57	4	6	6	1	2		2				3	
St. Louis, Mo	do	575,238	219	46	20	5		21		39	5	243	14	5	1
San Antonio, Tex	Feb. 20	53,321				4		1							
Do	Feb. 27	53,321				1						1			
Sandusky, Ohio	Feb. 6	19,664	5			2									
Do	Feb. 13	19,664	3							1					
Do	Feb. 20	19,664	5		1		1								
Do	Feb. 28	19,664	6			6	1	1		1					
San Francisco, Cal	Feb. 20	342,782	135	27	11	2	1	8		17		111		5	

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Scranton, Pa	Feb. 20	102,026	35	2		1		8	1	8	1	20			
Do	Feb. 27	102,026	45			1		11	4	7	1	32		1	1
Schenectady, N.Y.	do	31,682	17	12	3			7		2					
Shamokin, Pa	do	18,202	3					1				8	1		
Somerville, Mass	do	61,645	36	1	3			5	1	6	3	9			
South Bend, Ind	do	35,999	17	2	2			2		3		11			
Spokane, Wash	Feb. 20	38,848	35		3	1		17	1	7	1	43			
Springfield, Ill	Feb. 26	34,159	13							1					
Springfield, Mass.	Feb. 27	62,059	24	1				3		4	1	5		9	
Springfield, Ohio	do	38,253	9	5	1			1		3					
Steelton, Pa	do	12,068	3	1	1	2	1					1			
Taunton, Mass	do	31,036	13		1			1				1			
Terre Haute, Ind	do	36,673	21		2					5		4			
Tiffin, Ohio	do	10,898						1							
Titusville, Pa	do	8,244	3					2							
Trenton, N. J	do	73,307		6	2	2		3		1					
Waltham, Mass	do	23,481	12	1				8		1		18			
Wheeling, W. Va	do	38,878	16	4	1	12	1			2		1			
Wilkes-Barre, Pa	Feb. 26	51,721	14	4	1			5		6	1	46		2	
Wilkinsburg, Pa	Feb. 28	13,000	4			1		2		1		6	1		
Wilmington, Del	Feb. 27	76,508	23		1		2								
Winona, Minn	Mar. 4	19,714	4											1	1
Woburn, Mass	Feb. 27	14,254	4	2											
Worcester, Mass	Feb. 20	118,421	42	7	3			7		3		3			
Do	Feb. 27	118,421	37	5		1		11	1	12	1	8			
York, Pa	do	33,708						2		4				1	

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, February 17 and 24, 1909.]

CHOLERA.

GERMAN EMPIRE.—The police inspection and observation ordered for travelers from cholera-infected localities in Russia were suspended in Baden January 22; in Mecklenburg-Schwerin January 20; in Mecklenburg-Strelitz January 22, and in Oldenburg January 21.

NORWAY.—February 10. The districts of Wiborg and Nyland in Finland were declared cholera infected. The city and government of St. Petersburg, including Cronstadt, the Don and Kasan territories, and the government of Erivan, in Russia, were declared still infected with cholera. The proclamations against other localities in Russia are withdrawn. Vessels arriving at ports in Norway having cholera patients on board are ordered to be taken by the pilots to the quarantine station at Odderoen, near Christiansand. At ports other than Odderoen the sick remain on board.

PRUSSIA.—The minister of public works has suspended the measures against importation of cholera from Russia by railway travel. The railway officials are directed to continue to devote especial attention to the sanitary condition of travelers from Russia.

PLAGUE.

GERMAN EMPIRE.—February 17. The order of February 11 requiring vessels and crews arriving at a German port from ports of the West African Gold Coast to undergo medical inspection before receiving free pratique is suspended.

NETHERLANDS.—February 3. Measures for preventing the importation of plague declared.

SWEDEN.—February 5. The port of Newchwang in China declared free from plague.

AUSTRALIA.

Examination of rodents for plague infection at Brisbane.

The following information is taken from plague bulletins received from the Department of Public Health of Queensland:

Date of finding of last plague-infected rat, September 15, 1908.

Week ended January 23, 1909. Rodents destroyed, 592; examined, 489; plague rodents, 0.

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BARBADOS.

Report from Bridgetown—Increase of yellow fever in the island.

Consul Martin reports, February 16:

Yellow fever is again assuming a more virulent form. During the first 14 days of February the number of cases seemed to abate, only 7 having been reported as occurring during that period. February 15, 2 cases were reported, and to-day 7 cases have been reported. Six of these 9 cases are in one family in the parish of St. Lucy, at the extreme north end of the island, in the locality where the present outbreak originated. There has been only one case in Bridgetown this month. The cases continue to be confined to native Barbadians.

CHINA.

Reports from Shanghai—Inspection and disinfection of vessels—Precautions against infection of vessels by rats—Measures for rat destruction.

Acting Assistant Surgeon Ransom reports, January 20 and February 2:

Week ended January 16. Two original and 3 supplemental bills of health were granted to 5 steamships having an aggregate personnel of 919. There were inspected 3 steamships, 156 members of crews, 1 cabin passenger, and 2 steerage passengers, and there were disinfected 94 members of crews and the living quarters of 2 vessels. Manifests were viséed for 5,855 pieces of freight.

The steamship *Niagara* from San Francisco with bulk oil for Chinkiang lay at the wharf while at that port. At Shanghai she lay at the oil wharf, which is believed to be rat free, but rat guards of a rather ineffective design were used on all lines and no gangways were put out. The crew was bathed (53 natives) and their effects were disinfected by steam late on the day before sailing, the vessel sailing at daylight on January 11.

The steamships *Mongolia* and *Minnesota* remained in the stream at Woosung during their stay in this port, and only such of the personnel as were leaving from Shanghai were inspected, which inspection was carried out on the tender at the hour of its departure for the ship. The loading of these vessels was done from lighters—in the case of the *Mongolia* entirely by daylight and in the case of the *Minnesota* by night. Rat guards were ordered to be used.

The steamship *Hazel Dollar* was in dry dock and alongside the wharf at Pootung while in this port, and rat guards were used at the latter. Loading was done during the entire twenty-four hours from the wharf. The native crew, 41 men, were bathed and their effects were disinfected by steam late on the day before sailing, the vessel leaving at daylight on January 14. The bathing and disinfection of the crews were done under service supervision.

The steamship *Muncaster Castle* lay at a buoy in the stream while in this port and loaded from lighters. Rat guards were provided for all lighter lines. This vessel was fumigated in Kobe to destroy vermin, but the crew were not disinfected either there or at this port, in view

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of the fact that a complete change was to be made in the personnel at Hongkong, that being the last port before departure for an American port at which a service officer is stationed.

Plague-infected rats continue to be found in the proportion of about 3 per cent of those examined, including only such animals as are found dead. Trapped rats are destroyed without examination. Three hundred dead rats were examined last week, of which 9 were found to be plague-infected. The area of infection seems to be spreading, rat plague having been found in all sections of the settlement, but invariably in the houses of natives.

An energetic campaign is being carried on against rats in the international settlement. The problem presents many obstacles to the effective destruction of these animals, particularly as there are no means by which the importation of fresh supplies of infected and non-infected rats can be prevented, by vessels and from the surrounding country, even if it were possible to get rid of those now present. One of the greatest difficulties in this direction is due to the fact that the French and Chinese cities have their own independent administrations and are not governed by any action which the international settlement may take. Little is being done in either of these settlements to destroy rats.

About 2,000 rat-traps have been placed by the health department in the vicinity of the houses in which plague rats have been found, and by this means about 2,000 rats were captured and destroyed last week. The bait used was fish heads, vegetables, meat, bran, etc., and the traps were made as inconspicuous as possible. Poison has been little used, owing to the theory that it causes rats to scatter, and that it would thus be liable to spread the infection. The rat proofing carried out here has consisted of repairing holes in the flooring, walls, roofs, etc., and the cleaning and screening of drains in such houses as infected animals have been found in, the work being done by the health department staff. Crude oil has been freely poured into old rat holes and runs. The intention is to divide the settlement into districts and work from the periphery of each toward each infected center, destroying rats and rendering houses as nearly rat proof as possible.

There appears to have been an epidemic among the rats on the *Delhi* while in this port last week, which was not reported to the health authorities. The vessel lay at the Hongkew wharves and very many dead rats were found on board while she was unloading and were thrown overboard. This vessel was bound to Bombay via Hongkong and the Straits Settlements, and hence did not come under the official observation of this office.

During the week ended January 30 a supplemental bill of health was granted to 1 steamship, with a total personnel of 44. One vessel with 44 members of crew was inspected.

This vessel, the steamship *Aragonia*, lay in the stream at this port and was loaded from lighters, the loading being carried on during the entire 24 hours. Rat guards were used on all lines to lighters, buoys, etc.

Plague rats are still being found and are scattered over the entire settlement, but infected animals are found in greatest numbers in the eastern district, where the wharves are located, and where the outbreak of plague among rats first made its appearance.

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CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, February 28:

Week ended February 27.

Vessels inspected	4
Bills of health issued	4
Members of crews inspected	105
Passenger inspected (in transit)	1

No quarantinable diseases were reported.

Report from Habana—Inspection of vessels—General sanitary conditions.

Passed Assistant Surgeon Amesse reports, March 1:

Week ended February 27.

Vessels inspected	18
Bills of health issued	23
Members of crews of outgoing vessels inspected	1,493
Passengers of outgoing vessels inspected	2,548
Certificates of protection from smallpox	12

The evacuation of the army of Cuban pacification was continued during the week, 2,100 officers and men sailing on the transports *Meade*, *Sumner*, and *McClellan*.

Less than one regiment of American troops remains in the Republic. It is to embark about April 1.

General sanitary conditions throughout the island are reported excellent.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, March 1:

Week ended February 27.

Bills of health granted to 6 vessels bound for United States ports in good sanitary condition.

No quarantinable diseases were reported.

ECUADOR.

Reports from Guayaquil—Inspection and fumigation of vessels—Plague and yellow fever—Outbreak of plague at Tolte—Measures to prevent spread—Measures against smallpox at Alausi, Manglar Alto, and Milagro.

Passed Assistant Surgeon Wightman reports, January 17, through Passed Assistant Surgeon Lloyd:

During the 2 weeks ended January 9, 4 steamships were fumigated. They carried an aggregate personnel of 348 members of crews, 65 cabin and 45 steerage passengers.

For the week ended January 2 a total of 51 deaths was recorded for Guayaquil, among which 3 were from plague. There were no deaths from other quarantinable diseases.

For the week ended January 9, 50 deaths in all were recorded, 2 of these being from plague and 2 from yellow fever.

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Plague has appeared in the Indian village of Tolte, about 75 miles in the interior of Ecuador, about 3 miles from the line of the Guayaquil and Quito railroad. The first deaths seem to have occurred in the latter part of the month of December, 1908, but as there is no physician in the vicinity of Tolte the first cases were unrecognized. It appears that there have been about 20 deaths to date and that there are 10 cases now under treatment, out of a population of some 70 or 80 persons.

At a distance of about 3 or 4 miles from Tolte there are 3 other villages inhabited wholly by Indians and containing an aggregate population of about 2,000. The conditions in all these villages are extremely favorable for the spread of the disease. The houses generally have dirt floors, no window, and only one door; and they are so dark that it is almost impossible to recognize an individual inside the house in broad daylight. Each house contains from 10 to 50 guinea pigs, besides other animals.

A physician of the public health service of Ecuador has been sent to Tolte with serum and Haffkine's prophylactic and with instructions relative to the measures to be taken.

Plague seems to be quiescent in Babahoyo and Milagro, no new cases having been reported.

An epidemic of smallpox has appeared in Manglar Alto, a small town on the coast about 3 days' travel from Guayaquil. A physician has been sent to assume charge.

Passed Assistant Surgeon Lloyd reports, January 28:

Referring to the outbreak of plague at Tolte, an Indian village about 75 miles in the interior of Ecuador, work was begun January 14 under authority of the public health service of Ecuador, consisting mainly in unroofing infected houses, removing all bedding, clothing, etc., burning out the interior of adobe huts, and killing guinea pigs. All infected houses were treated in this way. Plague cases ceased immediately, and there have been no new cases for 8 days. Milagro, Babohoyo, and Huigra continue free from plague. A recrudescence of the disease has occurred in Guayaquil, there being 26 cases under treatment at present.

The work against yellow fever is being pushed in spite of the exigencies of the plague work, but under great difficulties. Work is being done against smallpox in Milagro, Alausi, and Manglar Alto.

HAWAII.

Reports from Honolulu—Examination of rats for plague infection at Honolulu and Hilo.

Passed Assistant Surgeon Currie, plague laboratory, reports, February 6 and 15, through Temporary Chief Quarantine Officer Moore:

HONOLULU.

Week ended February 6.

Total rats taken	625
Trapped	625
Found dead	0
Examined bacteriologically	533
Showing plague infection	0

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Classification of rats trapped:	
Mus alexandrinus	109
Mus musculus	316
Mus norvegicus	70
Mus rattus	130
Average number of traps set daily	1,544
Poisons placed (Barium carbonate)	75
Rats from Hilo referred to this laboratory for bacteriological diagnosis	2
Rats from Hilo still under investigation	3
Rats from Hilo proved to be plague infected during week	3

Week ended February 13.

Total rats taken	547
Trapped	547
Found dead	0
Examined bacteriologically	454
Showing plague infection	0
Classification of rats trapped:	
Mus alexandrinus	77
Mus musculus	282
Mus norvegicus	66
Mus rattus	122
Average number of traps set daily	1,544
Poisons placed (Barium carbonate)	215
Rats from Hilo referred to this laboratory for bacteriological diagnosis	0
Rats from Hilo still under investigation	3
Rats from Hilo proved to be plague infected during week	0

HILO.

Week ended January 30.

Total rats taken	223
Trapped	212
Found dead	11
Examined by agent of board of health	223
Classification of rats:	
Mus alexandrinus	16
Mus musculus	20
Mus norvegicus	67
Mus rattus	120

Week ended February 6.

Total rats taken	159
Trapped	148
Found dead	11
Examined by agent of board of health	155
Classification of rats:	
Mus alexandrinus	9
Mus musculus	4
Mus norvegicus	101
Mus rattus	45

INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Eakins reports February 11:

Week ended February 6. Bill of health issued to the steamship *Kasama*, bound for Boston and New York with a total crew of 46, and to the steamship *Den of Mains*, bound for Philadelphia and New York with a total crew of 59. The usual precautions were taken, holds

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fumigated, rat guards placed on wharf lines, and Asiatics' effects disinfected.

Week ended January 30. At Calcutta there were 17 deaths from cholera, 14 from plague, and 83 from smallpox; in Bengal, 287 cases and 250 deaths from plague: in India, 3,563 cases and 2,897 deaths from plague.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox at Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, February 13:

Vessels inspected at Naples and Palermo, week ended February 13.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Feb. 7	Luisiana	New York	985	30	950
9	Verona	Philadelphia	774	40	1,100
10	Cretic	Boston	875	80	1,520
10	Re d'Italia	New York	835	50	1,380
10	Calliope	Philadelphia			
12	Nord America	New York	722	20	950
13	Germania	do	713	40	980
13	Prinzess Irene	do	1,094	70	1,250
	Total		5,998	330	8,130

PALERMO.

Feb. 11	Re d'Italia	New York	452	556	132
13	Nord America	do	293	357	144
	Total		745	913	276

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Feb. 7	Luisiana	19	4	6	1	4	34
9	Verona	10	8	3		7	28
10	Cretic	24	7	16		6	53
10	Re d'Italia	27	3	16		5	51
10	Calliope						
12	Nord America	19	2	12		5	38
13	Germania	12	5	5		3	25
13	Prinzess Irene	19	2	5		1	27
	Total	130	31	63	1	31	256

PALERMO.

Feb. 11	Re d'Italia	21		14		6	41
13	Nord America	21		20		2	43
	Total	42		34		8	84

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Smallpox in Naples.—During the week ended February 14 there were 7 cases of smallpox and 1 death reported at the health office of the city of Naples.

Status of smallpox in Italy.—Week ended February 14.

Provinces: Spoleto (Perugia), 2; Viareggio (Lucca), 2; Verona, 1; Venice, 1; Pescina (Aquila), 1.

JAPAN.

Report from Yokohama—Examination of emigrants.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Korea* recommended February 10 for rejection: For Honolulu, 5; for San Francisco, 1.

Rejections were for trachoma.

Report from Nagasaki—Examination of emigrants.

Sanitary Inspector Bowie reports:

Number of emigrants per steamship *Korea* February 4 for Honolulu, recommended for rejection, 3.

PHILIPPINE ISLANDS.

Reports from Manila—Smallpox—Status of cholera in the provinces—Inspection of vessels.

Chief Quarantine Officer McClintic reports, January 20:

Week ended January 16. The only quarantinable disease reported for the city of Manila was 1 case with 1 death from smallpox. There were no cases of cholera reported during the week. Only a few cases of cholera were reported from the pueblos in the Mariquina Valley, adjacent to Manila. Energetic measures have been put in operation there by the bureau of health. The carnival, which begins on February 2, will bring together a large crowd of all classes of people.

During the week the following cases and deaths of cholera were reported as having occurred in the provinces:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Rizal	16	15	Laguna	5	3
Bohol	13	13	Samar	8	4
Cebu	5	4	Ilocos Norte	4	4
Capiz	148	85	Sorsogon	20	9
Iloilo	1	1	Cagayan	5	3
Pampanga	7	6			
Antique	2	3	Total	245	159
Negros Occidental	11	9			

It will be observed that most of the cases in the provinces are reported from Capiz, which is one of the provinces in which the disease first appeared, and where it has continued, without moderation, in epidemic form.

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During the week consular bills of health were issued at the port of Manila as follows:

January 15, the United States Army transport *Buford* was granted a bill of health for San Francisco via Nagasaki and Honolulu. The crew and steerage passengers were bathed and their effects disinfected at the Mariveles Quarantine Station. The cargo and baggage was inspected and either disinfected or passed and labeled accordingly. The decks, steerage compartments, and forecastles were disinfected. All persons on board were inspected at the hour of sailing.

January 16, the British steamship *Tean*, with 68 in the crew, en route from Hongkong to Cebu, was granted a supplemental bill of health.

RUSSIA.

Report from Libau—Status of cholera in Russia Smallpox and leprosy in Libau in 1908—Examination of emigrants.

Acting Assistant Surgeon De Forrest reports, February 20:

No reports of cholera in St. Petersburg were received for February 11, 13, and 15. For February 10, 12, 14, and 16, 142 cholera cases with 43 deaths were reported. Cholera was reported for other localities in Russia as follows:

February 18. Jaroslav, 2 new cases; Rubinsk, 22 cases, 8 deaths.

During the year 1908 there were 11 cases of smallpox reported at Libau with 3 deaths, and 2 cases of leprosy.

Ninety-two emigrants leaving per steamship *Lituania* March 2 have been examined.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Lourenço Marquez.*—Month of December, 1908. Estimated population, 10,000. Total number of deaths 40, including malaria 3, and 11 from tuberculosis.

Transvaal—Johannesburg.—Two weeks ended January 23, 1909. Estimated population, 180,687. Total number of deaths, 152, including enteric fever 9, and 30 from tuberculosis.

Algeria—Algiers.—Month of January, 1909. Estimated population, 155,000. Total number of deaths, 398, including enteric fever 6, smallpox 29, diphtheria 2, measles 6, and 65 from tuberculosis.

AUSTRIA-HUNGARY—*Brünn.*—Month of December, 1908. Estimated population, 108,944. Total number of deaths, 218, including tuberculosis 44, diphtheria 1, and 4 from scarlet fever.

EGYPT—*Alexandria.*—Month of January, 1909. Estimated population, 420,000. Total number of deaths not reported. Deaths from contagious diseases reported were: Smallpox 8, enteric fever 7, scarlet fever 1, diphtheria 14, measles 11, and 63 from tuberculosis.

FRANCE—*Cherbourg.*—Month of January, 1909. Estimated population, 43,948. Total number of deaths 83, including enteric fever 1, diphtheria 1, and 15 from tuberculosis.

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GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended February 13, 1909, correspond to an annual rate of 17.5 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand six hundred and forty-six deaths were registered during the week, including measles 69, scarlet fever 9, diphtheria 15, enteric fever 4, whooping cough 15, tuberculosis 147, and 19 from diarrhea. The deaths from all causes correspond to an annual rate of 17.8 per 1,000. In greater London 2,310 deaths were registered. In the "outer ring" the deaths included 5 from measles, 8 from diphtheria, 1 from scarlet fever, and 4 from whooping cough.

Manchester.—One thousand and twenty-six deaths were registered during the four weeks ended January 30, 1909, including measles 55, whooping cough 14, scarlet fever 20, diphtheria 12, enteric fever 17, and 142 from tuberculosis. The deaths from all causes correspond to an annual death rate of 20.5 per 1,000.

Ireland.—The average annual death rate represented by the deaths registered during the week ended February 13, 1909, in the 21 principal town districts of Ireland was 20.4 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Lisburn, viz, 4.5, and the highest in Drogheda, viz, 36.8 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended February 13, 1909, correspond to an annual rate of 18.2 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 22.5, and the lowest in Perth, viz, 13.2 per 1,000. The aggregate number of deaths registered from all causes was 652, including diphtheria 7, scarlet fever 5, whooping cough 49, and enteric fever 2.

GREECE—*Patras.*—Two weeks ended February 15, 1909. Estimated population, 40,000. Total number of deaths, 34, including scarlet fever 2, and 4 from tuberculosis.

WEST INDIES—*St. Thomas.*—Three weeks ended February 12, 1909. Estimated population, 11,012. Total number of deaths, 14; cause of death not reported.

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Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to March 12, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15–Dec. 5	12	10	
China:				
Hongkong	Dec. 28–Jan. 2	1	1	
India:				
Bombay	Dec. 9–Feb. 9		78	
Calcutta	Nov. 1–Jan. 30		137	
Madras	Nov. 14–Feb. 5		52	
Negapatam	Oct. 31–Nov. 6		1	
Rangoon	Nov. 8–Jan. 30		16	
Indo-China—Cholen	Nov. 9–15	1	1	
Persia:				
Tabriz	Oct. 9–Dec. 28	1,008	500	
Philippine Islands:				
Manila	Nov. 1–Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1–Jan. 16	260	163	
Bataan	Nov. 1–7	1	1	
Bohol	Dec. 20–Jan. 16	73	50	
Bulacan	Nov. 1–Dec. 19	81	67	
Cagayan	Nov. 1–Jan. 16	114	67	
Capiz	Nov. 1–Jan. 16	1,056	580	
Cavite	Nov. 1–Jan. 12	73	56	
Cebu	Dec. 20–Jan. 16	17	12	
Ilocos Norte	Nov. 1–Jan. 16	335	285	
Ilocos Sur	Nov. 1–Jan. 2	207	140	
Iloilo	Nov. 1–Jan. 16	293	154	
La Laguna	Nov. 1–Jan. 16	76	49	
Leyte	Nov. 1–Jan. 12	142	121	
Negros Occidental	Nov. 1–Jan. 16	272	175	
Palawan	Nov. 1–Dec. 19	10	5	
Pampanga	Nov. 1–Jan. 16	10	9	
Rizal	Nov. 1–Jan. 16	221	199	
Samar	Nov. 1–Jan. 16	148	102	
Sorsogon	Jan. 10–16	20	9	
Surigao	Nov. 15–Jan. 12	7	4	
Union	Nov. 1–Jan. 12	12	8	
Zambales	Dec. 6–12	3	3	
Russia, general	Nov. 15–Feb. 6	3,764	1,538	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15–Jan. 23	34	13	
Bakoo	Nov. 22–28	3	2	
Batoom	Nov. 15–21	4	2	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Feb. 6	185	95	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Helsingfors	Jan. 10	2		In vicinity.
Kerson	Nov. 15–Dec. 19	2		
Kharkov	Dec. 6–12	1		
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1		
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–Jan. 30	8	8	Including Brownitsa.
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3		
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	
Semipalatinsk, territory of	Dec. 19–26	1		
Stavropol	Nov. 15–21	1		
St. Petersburg, government	Nov. 15–Dec. 30	12	7	
St. Petersburg	Nov. 29–Feb. 6	1,583	509	Feb. 16, still present.
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 28	102	48	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Tver, district	Nov. 15–Dec. 5	4		
Volgoda	Dec. 6–12	1		
Yelisavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–Dec. 5	1		
Straits Settlements:				
Singapore	Nov. 8–Jan. 23		161	

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Barbados, general	Dec. 12–Feb. 16	34	11	Including the parishes of St. Andrew, St. Lucy, and St. Joseph.
Bridgetown	Dec. 12–Feb. 16	6		
Brazil:				
Bahia	Nov. 15–Jan. 16	58	18	Feb. 1. Epidemic.
Manaos	Nov. 29–Jan. 30		5	
Para	Nov. 22–Feb. 6		30	
Pernambuco	Nov. 15–30		1	
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1–2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29–Feb. 13		26	
Martinique:				
Fort de France	Dec. 13–Jan. 30	3	1	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 28	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–Feb. 6	13	7	
San Bernardo plantation	Dec. 27–Jan. 30	4	2	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Ticul	Feb. 1–6	1	1	
Veracruz	Dec. 6–Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Australia:				
Brisbane	Nov. 1–7	1	1	
Brazil:				
Bahia	Nov. 15–Jan. 9	23	12	Feb. 1, Epidemic.
Para	Jan. 24–Feb. 6		2	
Pernambuco	Nov. 1–Dec. 31		10	
Rio de Janeiro	Nov. 16–Jan. 17	57	29	
Chile:				
Iquique	Nov. 22–Jan. 26	22	3	
China:				
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–Jan 2	2	2	
Tientsin	Oct. 18–Nov. 21			Still present.
Tongshan	Nov. 1–14			Present.
Ecuador:				
Guayaquil	Nov. 29–Feb. 23		34	
Milagro	Nov. 17–Dec. 12	17	8	Dec. 19, still present.
Tolte	Dec. 25–Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14–Dec. 4	3		
Port Said	Dec. 4	1		
Provinces—				
Assiout	Dec. 2–Jan. 13	5	5	
Beherach	Nov. 24–Dec. 26	11	6	
Dakaklieh	Feb. 4	1	1	
Galyoobeeyeh	Nov. 21–Feb. 2	3		
Garbieh	Nov. 27–Jan. 28	4	2	
Girgeh	Oct. 18–Feb. 1	6	6	
Fayoum	Nov. 23–Dec. 1	1	1	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Jan. 27	4		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay Presidency and Sind.	Nov. 2–Jan. 9	10,519	7,444	
Madras Presidency	Nov. 2–Jan. 9	634	475	
Bengal	Nov. 2–Jan. 9	1,261	1,064	
United Provinces	Nov. 2–Jan. 9	1,164	985	
Punjab	Nov. 2–Jan. 9	4,691	3,904	
Burma	Nov. 2–Jan. 9	1,129	1,098	
Central provinces, including Berar.	Nov. 2–Jan. 9	1,818	1,356	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Jan. 9	1,845	1,301	
Hyderabad State	Nov. 2–Jan. 9	343	285	
Central India	Nov. 2–Jan. 9	555	438	
Rajputana	Nov. 2–Jan. 9	767	752	
Grand total		24,731	19,100	
Indo-China:				
Cholen	Oct. 25–Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25–Jan. 16	10	9	
Japan:				
Formosa	Nov. 8–Jan. 23	39	25	
Kagi, prefecture	Jan. 16	5		
Hiogo				
Kagoshima	Feb. 6	1		From s. s. Shinkochi.
Kobe	Jan. 20	2	2	Year 1908, 219 cases additional.
Nara				
Nishinomiya	Jan. 6	1		Year 1908, 2 cases additional.
Osaka	Dec. 22	2	1	Year 1908, 53 cases. Year 1908, 59 cases additional; Jan. 29, on s. s. Shinkochi Maru.
Yura		116	83	Year 1908.
Mauritius	Oct. 2–Nov. 28		64	
Peru:				
Callao	Nov. 13–Jan. 28	17	6	
Cataraos	Dec. 11–Jan. 14	4		
Chorrillos	Jan. 22–28	2	1	
Chepen	Nov. 27–Jan. 28	13	8	
Chiclayo	Nov. 18–Jan. 28	26	15	
Chota	Jan. 22–28		2	
Eten	Nov. 13–Dec. 31	11	10	
Ferrenafe	Nov. 13–Dec. 24	9	3	
Lima	Nov. 13–Jan. 28	38	13	
Mollendo	Nov. 13–Jan. 28	8	3	
Monsefu	Nov. 13–Dec. 24	7	2	
Motupe	Dec. 17–Jan. 14	2		
Oyotun, plantation	Nov. 20	4		
Paita	Dec. 11–17	3	2	
Piura	Dec. 11–Jan. 14	6	4	
San Jose (Lambayeque)	Nov. 13–Dec. 3	2		
San Pedro	Nov. 13–Jan. 14	23	16	
Trujillo	Nov. 13–Jan. 28	129	57	
Zaña	Jan. 14–28	2	2	
Siam:				
Bangkok	Sept. 27–Dec. 19	7	1	Present in November.
Straits Settlements:				
Singapore	Nov. 30–Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6–Feb. 5	14	7	
Beirut	Dec. 17–Jan. 9	5	5	
Jiddah	Dec. 12–Feb. 7	31	29	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1–Jan. 31		58	Imported.
Arabia:				
Aden	Nov. 25–Feb. 1		66	
Argentina:				
Buenos Aires	Oct. 1–31		1	
Australia:				
New South Wales—				
Newcastle	Nov. 1–30	1		
Austria:				
Galicia	Dec. 20–Jan. 23	8		
Silesia	Jan. 3–9	1		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia	Nov. 15–Jan. 16	225	16	
Pernambuco	Nov. 1–Dec. 31		62	
Rio de Janeiro	Nov. 16–Jan. 17	1,165	563	
Santos	Nov. 1–Dec. 20		10	
São Paulo	Nov. 1–Dec. 27		36	
British Honduras:				
Stann Creek	Feb. 5–25	3	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28–Jan. 2	4		
Canada:				
British Columbia—				
Vancouver	Dec. 1–31	1		
Victoria	Dec. 12	25	4	
Manitoba—				
Winnipeg	Dec. 20–Jan. 20	6		
Ontario, Province, general	Dec. 1–31	118		
Hamilton	Jan. 17–23	1		
Toronto	Nov. 8–28	7		
Nova Scotia—				
Halifax	Dec. 13–Feb. 27	49		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1–Feb. 27	46		And vicinity.
Quebec—				
Montreal	Dec. 26–Jan. 2	1		
Ceylon:				
Colombo	Nov. 1–21	62	13	
Chile:				
Talcaguana	Nov. 20–Jan. 28			Present in vicinity.
Valparaiso	Dec. 6–19	2		
China:				
Amoy	Oct. 11–Nov. 8		2	Dec. 19, still present.
Shanghai	Nov. 11–Jan. 10	4	1	3 cases Nov. 11–Dec. 28 from U. S. transport Seward.
Cuba:				
Habana	Dec. 26–Jan. 19	3		Case Dec. 26 on s. s. Floride, case Jan. 19 on s. s. Alfonso XIII.
Ecuador:				
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12–Jan. 14	431	109	
Alexandria	Nov. 26–Jan. 21	20	11	
Cairo	Nov. 19–Feb. 4	262	107	
France:				
Marseille	Dec. 1–Jan. 31		2	
Paris	Nov. 22–Feb. 6	25	1	
Germany, general	Nov. 19–Feb. 13	32		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Brunswick	Feb. 16–20	1		
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22–Jan. 2		4	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–Feb. 20	14	3	
London	Feb. 1–6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25–Feb. 9		70	
Calcutta	Nov. 1–Jan. 30		437	
Madras	Nov. 28–Feb. 5		6	
Rangoon	Nov. 22–Jan. 30		11	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–Jan. 9	10	7	
Italy, general	Nov. 30–Feb. 14	150		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–30	2		
Genoa	Dec. 1–Jan. 15	3		
Latrinole	Jan. 15–21	2		
Naples	Dec. 7–Feb. 14	218	43	Jan. 18, 1 case on s. s. Europa.
Palermo	Jan. 24–30	1		
Polesella	Dec. 1			Epidemic.
Japan:				
Formosa	Nov. 29–Jan. 16	10		
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–Jan. 16	33	3	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Malta	Nov. 22–Feb. 13	4		Case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17–23	1		
Mexico:				
Acapulco	Jan. 11–31	12		
Guadalajara	Jan. 7–Feb. 18	5	1	
Mexico City	Nov. 8–Feb. 14		80	
Monterey	Jan. 4–Feb. 21		8	
Salina Cruz	Jan. 1–15	5		
Tehuantepec	Jan. 28–Feb. 3			Present.
Veracruz	Dec. 13–Jan. 9	3	2	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Rotterdam	Jan. 10–16	1		
Newfoundland	Feb. 9–13			Epidemic on south coast.
St. Johns	Jan. 10–Feb. 13	7		From s. s. Portia.
Norway:				
Bergen	Jan. 24–30		2	
Christiania	Nov. 22–28	1	1	
Paraguay:				
Asuncion	Dec. 20–26			Present.
Persia:				
Hamadan	Oct. 2–Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1–31			Do.
Sultanabad	Oct. 1–31			Do.
Tabriz	Oct. 2–8			Do.
Trebizond	Jan. 16			Do.
Teheran	Sept. 18–Oct. 28		17	
Peru:				
Lima	Nov. 22–Dec. 31	11		Jan. 21, 3 cases in the lazaretto.
Salaverry	Nov. 19–25		1	
Philippine Islands:				
Manila	Nov. 1–Jan. 16	11	6	Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20–Jan. 2	2		
Portugal:				
Lisbon	Nov. 30–Feb. 13	22		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1–31	1		
Moscow	Nov. 29–Feb. 6	193	78	
Odessa	Jan. 3–Feb. 6	24	4	
Riga	Nov. 29–Feb. 13	10		
St. Petersburg	Nov. 15–Feb. 6	77	27	
Warsaw	Nov. 1–Jan. 2		48	
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala.
Servia:				
Belgrade	Dec. 6–12	2		
Siam:				
Bangkok	Nov. 1–30			Present.
Siberia:				
Vladivostok	Dec. 14–20	1		
Spain:				
Barcelona	Dec. 6–Feb. 23		14	
Cartagena	July 1–31		15	
Madrid	Nov. 1–Jan. 31		35	
Valencia	Nov. 29–Feb. 13	36	5	
Vigo	Nov. 30–Feb. 13		8	
Straits Settlements:				
Singapore	Dec. 28–Jan. 23		3	
Turkey in Asia:				
Adalia	Sept. 24–27		2	
Bassorah	Jan. 3–30			Do.
Smyrna	Oct. 7–Jan. 21		60	Jan. 5, epidemic.
Turkey in Europe:				
Constantinople	Dec. 7–Feb. 21		51	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Feb. 13	178,210	72											8
Acapulco	Jan. 31	5,000	6											
Aden	Jan. 25	43,794	30	1				9						
Do	Feb. 1	43,794	37	5				5						
Aguascalientes	Feb. 21	40,000	44	2										
Aix-la-Chapelle	Jan. 30	159,492	66	7							1	2	7	
Do	Feb. 6	159,492	71	5								1	4	2
Alexandria	Jan. 7	388,083	210	12								5	2	
Do	Jan. 14	388,083	196	16				2		1		2		
Amsterdam	Feb. 6	565,601	147	24								3	3	
Do	Feb. 13	565,601	169	16									3	5
Antwerp	Feb. 6	323,921	83	13								1		1
Barmen	...do	161,100	58	7							1	1	4	
Barranquilla	...do	40,000	14											
Basel	...do	131,000	41	6							1	1	3	
Batavia	Jan. 16	194,000							1					
Belfast	Feb. 13	386,576	116	22									1	
Belize	Feb. 18	9,113	2											
Do	Feb. 25	9,113	7											
Birmingham	Feb. 13	558,386	216							3	3	4	25	4
Bluefields	Feb. 20	2,500	2	1										
Bombay	Feb. 2	977,822	669	61	27	1		19					1	
Bordeaux	Feb. 13	253,000	138	15								1	10	1
Bradford	Feb. 6	293,983	127	10						1		2		1
Do	Feb. 13	293,983	98	5								4		
Bremen	Feb. 6	233,751	66	11								2	1	1
Bridgetown	Feb. 14	182,867					2							
Bristol	Feb. 13	377,642	118					1				2		
Brussels	Feb. 6	693,720	239	25								5	1	1
Budapest	Jan. 16	804,200								3	7	8	1	
Do	Jan. 23	804,200								4	4	2	3	
Do	Jan. 30	804,200									4		3	
Cairo	Jan. 28	701,806	379	18				26	4	3		10	3	
Chemnitz	Feb. 6	270,947	83	3								1	1	
Christiania	...do	287,000	64									2		4
Coburg	Jan. 31	23,470	11	2								1		1
Do	Feb. 6	23,470	8											
Cognac	Feb. 13	19,483	5	1										
Cologne	Feb. 6	467,653	156	21							1	6	6	3
Colon	Feb. 7	16,000	10											
Do	Feb. 14	16,000	8											
Damascus	Jan. 30	250,000	50											
Do	Feb. 6	250,000	50											
Denia	...do	12,431	5											
Do	Feb. 13	12,431	1											
Dresden	Jan. 31	545,100	157	21							1	1		2
Do	Feb. 6	545,100	171	24						1	1	4	1	2
Dublin	...do	394,525	196	32								3	7	1
Do	Feb. 13	394,525	203	31						4	1	1	1	5
Dundee	...do	168,616	69								2	2		3
Durban	Jan. 23	60,972	7	2										
East London	..do	49,253	5											
Edinburgh	Feb. 13	355,366	101	8							1			2
Erfurt	Feb. 6	107,555	39	3							1	3	4	
Flushing	Feb. 13	21,200	4											
Fort-de-France	Feb. 6	27,069	12											
Do	Feb. 13	27,069	10											
Frankfort-on-the-Main	Feb. 6	362,600	107								1			
Frontera	...do	9,000	5											
Do	Feb. 16	9,000	8											1
Geneva	Jan. 30	118,500	30											
Georgetown [a]	...do	56,000	82	11						1		1		
Ghent	Feb. 6	164,579	57	3								1		
Gibraltar	Feb. 14	26,830	11	2										
Glasgow	Feb. 19	872,021	306							2	2	4		30
Gothenburg	Feb. 6	162,200	51	12								1	1	
Greenock	Feb. 13	72,300	27											1
Guadalajara	Feb. 18	125,000	93					1						
Guayaquil	Feb. 6	75,000		9	3		7							
Hamburg	Feb. 13	872,252	249	33							8	2		9
Hamilton, Bermuda	Feb. 22	20,206	5											

[a] Total deaths include returns from hospital for two weeks.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Havre	Feb. 6	132,430	83	15						1				
Hull	Feb. 13	275,552	86									1	1	
Kobe	Jan. 30	363,593	163							2		1		
Königsberg	Feb. 6	237,606	63	5						1				2
Lausanne	Jan. 30	56,000	21											
Leeds	Feb. 13	484,012	156	16						2		4	1	4
Leipzig	Feb. 6	537,686	146	29								3	1	2
Leith	Feb. 13	85,721	26											2
Liege[a]	Jan. 30	175,870	42	3										
Do	Feb. 19	175,870	53	4								1		1
Liverpool	Feb. 13	760,357	308	22						2	6	5	8	6
London	...do	4,833,938	1,646	147						4	9	15	69	15
Lübeck	Feb. 6	96,000	29	1								1		1
Lyon	...do	472,114	239	52								2		
Madras	Jan. 29	509,346	369					1					3	
Managua	Jan. 15	22,278	9											
Do	Jan. 22	22,278	13						1					
Do	Jan. 30	22,278	8											
Do	Feb. 6	22,278	17	4										2
Manaos	Jan. 30	54,000	28				2							
Manchester	Feb. 13	655,435	254	23						2		5	4	4
Mannheim	Jan. 30	181,612	39	10							1			
Matamoras	Feb. 20	8,000	5											
Mazatlan	Feb. 13	22,000	13											
Milan	Jan. 31	900,000	274	33						3	1			
Do	Feb. 7	900,000	344	34						2	2	3	7	
Moncton, N. B.	Feb. 20	13,500	6	1										
Montreal	...do	378,856	145	17						1	1	1	2	
Monterey	Feb. 21	100,000	65	7				2						
Nagasaki	Jan. 24	173,118	45									1		
Nantes	Feb. 7	161,908	83	12							1			
Newcastle-on-Tyne	Feb. 13	281,584	107							1	1		2	2
Niuchwang	Jan. 30	60,000	7											
Nottingham	Feb. 6	260,000	114	1									3	4
Nuevo Laredo	Feb. 20	8,000	6	1										
Nuremberg	Jan. 30	316,180	106	19							3			3
Odessa	...do	474,000	191	29				1	3	1	3	3		1
Do	Feb. 6	474,000	217	35					3		6	5		
Ottawa	Feb. 13	80,200	25											
Do	Feb. 20	80,200	31											
Palermo	Jan. 23	330,000	167	9								1		
Do	Jan. 30	330,000	187	9									2	
Para	Feb. 6	185,000	85	7	1		3							
Paris	...do	2,776,397	1,134	216						8	4	2	2	3
Plymouth	Feb. 13	124,180	41									1	3	1
Port Elizabeth	Jan. 23	32,959	17	1						1				2
Do	Jan. 30	32,959	17	4						1				
Queenstown	Feb. 13	7,684	5											
Rangoon	Jan. 23	252,155	169	1	10	3		2						
Rotterdam	Feb. 13	412,354	105								2			
Saigon	Jan. 16	208,000			2									
St. John, N. B.	Feb. 20	40,711	15	5										
Do	Feb. 27	40,711	21	6										
St Petersburg	Jan. 30	1,678,000	938	152		58		2		18	17	20	13	9
San Feliu de Gnixols	Feb. 13	11,094	5	1						1				
Santa Cruz de Teneriffe	Feb. 6	46,000	16	3										
Santiago de Cuba	Feb. 20	45,497	14	2										
Sheffield	Feb. 6	440,000	151	11							1	3	14	2
Do	Feb. 13	440,000	156	17									12	3
Singapore	Jan. 16	260,000	221	26		11		1						
Do	Jan. 23	260,000	216	26		5		1						
Smyrna	Jan. 7	400,000	76	10				3		1			1	
Do	Jan. 14	400,000	77	9				2		1				
Do	Jan. 21	400,000	66	7				2		1		1		
Do	Jan. 28	400,000	79	9						1		1		
Southampton	Feb. 13	124,667	34	1										
South Shields	...do	117,627	43	7										
Stettin	Feb. 6	230,000	86	1							1	3		
Stockholm	Jan. 30	337,460	92	18							4	1		2
Tegucigalpa	Feb. 9	24,000	1											
Trieste	Feb. 6	216,680	134								1	1		

[a] No report for February 6.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Valencia	Feb. 6	250,000	106	13				2				1		
Do	Feb. 13	250,000	133	8						2		2	1	
Vevey	Jan. 30	14,000	5											
Vienna	Feb. 6	2,042,428	742	110							11	11	21	3
Victoria, B. C.	Feb. 20	30,000	2											
Vigo	Feb. 13	40,000	8										1	
Warsaw	Dec. 26	751,595	209	34				10			5		6	
Do	Jan. 2	751,595	272	48				8		4	6		4	
West Hartlepool	Feb. 13	66,750	24											
Winnipeg	Feb. 20	118,000	12											
Yokohama	Feb. 1	378,884										2		
Zanzibar	Jan. 21	75,000	18	4										
Zurich	Feb. 13	180,000	54	12										1

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended March 6, 1909.

Sick inspected	2
Plague	0
Dead inspected	102
Plague	0
Premises inspected	2,371
Houses disinfected	15
Nuisances abated	261
Rats found dead	37
Rats trapped	2,190
Total rats taken	2,227
Rats identified:	
Mus norvegicus	1,451
Mus rattus	41
Mus musculus	732
Total	2,224
Rats identified as to sex	1,458
Male	675
Female	783
Rats examined bacteriologically	1,258
Plague rats	0
Ground squirrels caught	7
Squirrels examined bacteriologically	7
Plague squirrels	0
Buildings condemned	10
Poisons placed	22,093

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OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended February 27, 1909.

Dead inspected	35
Plague	0
Premises inspected	719
Necropsy held	1
Premises cleaned	153
Place made rat proof	1
Garbage cans installed	160
Nuisances abated	139
Rats found dead	83
Rats trapped	545
Total rats taken	628
Mice trapped	90
Rats identified:	
Mus norvegicus	621
Mus rattus	5
Mus musculus	90
Mus alexandrinus	2
Total	718
Rats examined bacteriologically	611
Plague rats	0
Mice examined bacteriologically	90
Plague mice	0
Poisons placed	29,435

POINT RICHMOND, CAL.

Week ended February 27.

Sick inspected	3
Plague	0
Dead inspected	2
Plague	0
Premises inspected	490
Nuisances abated	21
Rats found dead	14
Rats trapped	15
Rats examined bacteriologically	15
Plague rats	0
Poisons placed	14,000

ALAMEDA COUNTY, CAL.

Week ended February 27.

Sick inspected	2
Plague	0
Dead inspected	58
Plague	0
Necropsy held	1

CONTRA COSTA COUNTY, CAL.

Week ended February 27.

Dead inspected	2
Plague	0
Ground squirrels shot	32

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Squirrels examined bacteriologically	32
Plague squirrels	0
Ranches inspected	57
Ranches found free of squirrels	9
Ranches poisoning squirrels	33

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, March 1:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended February 27, 1909.

Plague-infected rats to date	21
Rats received	433
Rats necropsied	364
Plague rats	0
Vessels inspected	18
Vessels fumigated	1

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

FLORIDA—*Pensacola.*—Month of February, 1909. Estimated population, 30,000. Total number of deaths, 44, including enteric fever 4, and 3 from tuberculosis.

ILLINOIS—*Alton.*—Month of February, 1909. Estimated population, 22,000. Total number of deaths, 23, including 2 from tuberculosis. Cases: Diphtheria, 1.

Quincy.—Month of February, 1909. Estimated population, 43,000. Total number of deaths, 42, including diphtheria 1, and 4 from tuberculosis. Cases: Diphtheria 22, enteric fever 2, scarlet fever 2, and measles 1.

INDIANA—*Jeffersonville.*—Month of February, 1909. Estimated population, 12,000. Total number of deaths 10, including 1 from tuberculosis. Cases: Tuberculosis 1.

IOWA—*Cedar Rapids.*—Month of February, 1909. Estimated population, 35,000. Total number of deaths 43, including enteric fever 2, and 3 from tuberculosis. Cases: Scarlet fever 10, and diphtheria 1.

KANSAS.—Month of January, 1909. Estimated population, 1,470,495. Total number of deaths from contagious and infectious diseases, 82. Causes of death: Tuberculosis 43, enteric fever 15, diphtheria 18, scarlet fever 4, smallpox 1, and 1 from measles. Cases: Tuberculosis 63, enteric fever 36, diphtheria 127, scarlet fever 132, smallpox 198, and measles 111.

KENTUCKY—*Louisville.*—Report for the fiscal year ending August 31, 1908. Estimated population, 206,416. Total number of deaths 3,997, including enteric fever 109, measles 2, scarlet fever 6, whooping cough 20, diphtheria 21, and 494 from tuberculosis. Cases: Scarlet

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fever 220, diphtheria 269, whooping cough 31, enteric fever 223, tuberculosis 328, and smallpox 38. The total number of deaths correspond to an annual death rate of 15.34 per 1,000 of population.

MARYLAND—*Hagerstown.*—Month of February, 1909. Estimated population, 30,000. Total number of deaths 109, including enteric fever 1, measles 1, and 7 from tuberculosis. Cases: Enteric fever 2, scarlet fever 3, diphtheria 1, and measles 56.

MASSACHUSETTS.—Reports from the state board of health for the month of January, 1909. Fifty-three cities and towns reporting, having an aggregate estimated population of 2,369,328, report 3,772 deaths, including diphtheria 78, enteric fever 22, measles 16, and 422 from phthisis pulmonalis. Cases: Diphtheria 1,055, enteric fever 184, measles 1,213, scarlet fever 1,074, whooping cough 494, and phthisis pulmonalis 653.

Newton.—Month of February, 1909. Estimated population, 38,919. Total number of deaths, 37, including enteric fever 1, and 4 from tuberculosis. Cases of contagious diseases reported: Diphtheria 7, enteric fever 3, scarlet fever 13, tuberculosis 2, and measles 10.

NEW HAMPSHIRE—*Concord.*—Months of January and February, 1909. Estimated population, 20,000. Total number of deaths, 78, including 7 from tuberculosis. Cases: Enteric fever 2, scarlet fever 1, diphtheria 6, and measles 4.

NEW JERSEY—*Elizabeth.*—Months of January and February, 1909. Estimated population, 60,509. Total number of deaths, 198, including enteric fever 2, diphtheria 2, measles 2, and 23 from tuberculosis. Cases: Enteric fever 10, scarlet fever 12, diphtheria 42, measles 20, and whooping cough 1.

NEW YORK—*Buffalo.*—Month of February, 1909. Estimated population, 410,000. Total number of deaths, 475, including diphtheria 14, scarlet fever 14, enteric fever 9, measles 2, whooping cough 1, and 39 from tuberculosis. Cases: Tuberculosis 79, enteric fever 23, diphtheria 112, scarlet fever 450, measles 31, whooping cough 27, and smallpox 2.

Rochester.—Seven months ended January 31, 1909. Estimated population, 200,000. Total number of deaths, 1,605, including measles 8, enteric fever 18, whooping cough 3, diphtheria 16, scarlet fever 5, and 155 from tuberculosis. Cases: Scarlet fever 116, diphtheria 138, enteric fever 102, and measles 1,111.

Rome.—Month of February, 1909. Estimated population, 18,500. Total number of deaths, 42; cause of deaths not reported. Cases: Scarlet fever 3, diphtheria 1, and measles 2.

NORTH CAROLINA.—Month of January, 1909. Estimated population, 1,893,810. Reports of state board of health from 85 counties show as follows: Measles in 21 counties, whooping cough in 26 counties, scarlet fever in 29 counties, diphtheria in 30 counties, enteric fever in 29

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counties, malarial fever in 6 counties, pernicious malarial fever in 2 counties, hemorrhagic malarial fever in 2 counties, and smallpox in 14 counties, viz: Ashe, 7; Camden, 30; Currituck, 31; Duplin, 50; Johnston, 12; Jones, 3; Madison, 2; Nash, 1; New Hanover, 2; Pasquotank, 50 or more; Pitt, 2; Sampson, 22; Scotland, 6; Wayne, 20.

OHIO—*Toledo.*—Month of January, 1909. Estimated population, 195,888. Total number of deaths, 178, including diphtheria 2, enteric fever 12, scarlet fever 2, and 20 from tuberculosis. Cases of contagious diseases reported: Diphtheria 35, measles 3, scarlet fever 15, enteric fever 57, tuberculosis 1.

OREGON—*Portland.*—Month of January, 1909. Estimated population, 175,000. Total number of deaths, 140, including enteric fever 1, diphtheria 2, and 13 from tuberculosis. Cases: Diphtheria 34, enteric fever 15, measles 27, smallpox 26, whooping cough 2, and scarlet fever 21.

PENNSYLVANIA—*Dunmore.*—Month of February, 1909. Estimated population, 17,500. Total number of deaths, 32, including scarlet fever 1, measles 1, and 1 from tuberculosis. Cases: Scarlet fever 2, measles 27, diphtheria 1, and tuberculosis 1.

Pittsburg.—Month of October, 1908. Estimated population, 462,801. Total number of deaths, 670, including diphtheria 10, scarlet fever 9, measles 2, whooping cough 3, enteric fever 8, and 41 from pulmonary tuberculosis. Cases: Diphtheria 104, scarlet fever 183, enteric fever 96, whooping cough 11, tuberculosis 142, and measles 50.

South Bethlehem.—Month of February, 1909. Estimated population, 15,000. Total number of deaths, 31, including 1 from tuberculosis. Cases: Enteric fever 2, scarlet fever 1, whooping cough 4, and tuberculosis 9.

UTAH.—Month of January, 1909. Reports to the state board of health from 27 counties, having an estimated population of 346,873, show as follows: Total number of deaths, 306, including diphtheria 12, enteric fever 4, whooping cough 3, scarlet fever 8, smallpox 1, and 9 from tuberculosis. Cases: Diphtheria 96, enteric fever 24, measles 188, scarlet fever 179, smallpox 237, whooping cough 107, and tuberculosis 16 (incomplete).

VIRGINIA—*Richmond.*—Month of February, 1909. Estimated population, 115,701—white, 73,204; colored, 42,497. Total number of deaths, 176—white, 87; colored, 89—including enteric fever 1, and 23 from tuberculosis. Cases: Diphtheria 7, enteric fever 25, measles 3, scarlet fever 5, and whooping cough 9.

WISCONSIN—*Milwaukee.*—Month of January, 1909. Estimated population, 370,000. Total number of deaths 387, including enteric fever 8, measles 1, scarlet fever 9, diphtheria 14, whooping cough 1, and 34 from tuberculosis. Cases: Smallpox 65, tuberculosis 50, diphtheria 110, scarlet fever 123, enteric fever 47, and measles 146.

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Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to March 19, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Jan. 12–Feb. 6	7		
Montgomery	Mar. 13		1	
Tuscaloosa County	Feb. 6–Dec. 31	86		Year 1908.
Total for State		93	1	
Arkansas:				
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		108		
California, general	Nov. 1–Dec. 31		3	
Los Angeles	Dec. 6–Feb. 20	16		
Oakland	Nov. 1–Jan. 31	10		
Sacramento	Nov. 1–Dec. 31	24		
San Francisco	Dec. 13–Mar. 6	28		
Stockton	Nov. 1–30	12		
Total for State		90	3	
Colorado, general	July 1–Feb. 28	109		
District of Columbia:				
Washington	Dec. 28–Feb. 27	7		
Total for District		7		
Georgia:				
Cobb County	Jan. 16–Feb. 7	8		
Paulding County	Jan. 16–Feb. 7	15		
Total for State		23		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Feb. 27	211		
Thebes	Jan. 1–31	2		
Bureau County—				
Ladd	Nov. 1–30	4		
Christian County—				
Taylorville	Aug. 1–Jan. 20	40		
Clinton County—				
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–Mar. 6	7		
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		
Fulton County—				
Canton	Jan. 1–31	38		
Cuba	Jan. 1–31	1		
Lewiston	Jan. 1–31	6		
Jackson County—				
Murphrysboro	Jan. 1–31	45	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–31	1		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–Mar. 6	3		
Lake County—				
Waukegan	Feb. 2–26	3		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
McLean County—				
Bloomington	Jan. 1-31	5		
Macon County—				
Decatur	Jan. 1-31	8		
Macoupin County—				
Benld	Feb. 15-18	2		
Palmyra	Dec. 25-Jan. 20	4		
Scottsville	Dec. 25-Jan. 20	12		
Marion County—				
Centralia	July 1-Jan. 20	53		
Odin	Jan. 1-31	1		
Sandoval	Jan. 1-31	1		
Mason County	Jan. 1-31			Present in Havana and Quiver townships.
Massac County—				
Metropolis	Jan. 1-31	1		
Mercer County	Jan. 1-31	1		In North Henderson township.
Montgomery County	Jan. 1-31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5-11	1		
Peoria County—				
Peoria	Dec. 20-Feb. 3	7		Present in Glasford and in Timber and Trivoli townships.
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-31	3		
Mound City	Jan. 1-31	7		
Randolph County—				
Percy	Jan. 1-31	1		
St. Clair County—				
Belleville	Dec. 4-20	3		Present in January.
Mascoutah	Jan. 1-31	1		
Millstadt		1		
Saline County—				
Eldorado	Jan. 1-31	1		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Tazewell County	Jan. 1-31			Present in Elm Grove township.
Pekin	Jan. 1-31	28		
Vermilion County—				
Danville	Jan. 11-Mar. 7	11		
Williamson County—				
Carterville	Jan. 1-31	2		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-31	6		
Total for State		629	1	
Indiana:				
Allen County	Dec. 1-31	1		
Fort Wayne	Jan. 10-Feb. 6	4		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Dec. 31	4		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-31	26		
Clay County	Oct. 1-31	8		
Dearborn County	Oct. 1-31	1		
Delaware County	Dec. 1-31	52		
Elkhart County	Oct. 1-Nov. 30	7		
Elkhart	Jan. 17-Mar. 6	8		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-31	1		
Grant County	Dec. 1-31	2		
Union	Feb. 6	5		
Hamilton County	Dec. 1-31	1		
Harrison County	Dec. 1-31	1		
Hendricks County	Nov. 1-Dec. 31	5		
Madison County	Oct. 1-31	1		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-Feb. 28	5		
Miami County	Dec. 1-31	1		
Rush County	Dec. 1-31	24		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-31	1		
St. Joseph County	Dec. 1-31	12		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Dec. 31	77		
Lafayette	Dec. 15-Mar. 8	54	1	
Tipton County	Nov. 1-Dec. 31	2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Vanderburg County—				
Evansville	Jan. 10–Feb. 20	10		
Vigo County	Oct. 1–Dec. 31	7		
Wabash County	Nov. 1–Dec. 31	4		
Warren County	Dec. 1–31	7		
Wayne County	Nov. 1–30	8		
Total for State		348	1	
Iowa, general	July 1–Sept. 30		2	
Burlington	Jan. 1–31	1		
Council Bluffs	July 1–Feb. 28	32	2	
Dubuque	Oct. 1–Jan. 31	87	1	
Total for State		120	5	
Kansas:				
Atchison County—				
Atchison	Dec. 20–Jan. 16	2		
Barton County	Nov. 1–30	7		
Bourbon County	Nov. 1–30	1		
Brown County	Nov. 1–Dec. 31	45		
Crawford County—				
Pittsburg	Nov. 1–Dec. 31	107		
Franklin County	Dec. 1–31	1		
Harvey County	Nov. 1–Dec. 31	4		
Jackson County	Nov. 1–Dec. 31	95		
Jefferson County	Dec. 1–31	2		
Jewell County	Dec. 1–31	2		
Montgomery County	Nov. 1–Dec. 31	18		
Nemaha County	Dec. 1–31	2		
Phillips County	Dec. 1–31	2		
Pottawatomie County	Nov. 1–Dec. 31	36		
Pratt County	Dec. 1–31	20		
Reno County	Nov. 1–Dec. 31	3	1	
Riley County	Nov. 1–30	2		
Saline County	Nov. 1–Dec. 31	31		
Shawnee County	Nov. 1–Dec. 31	6		
Topeka	June 7–Mar. 6	88		
Sheridan County	Dec. 1–31	9		
Stafford County	Dec. 1–31	1		
Sumner County	Nov. 1–Dec. 31	7		
Wilson County	Nov. 1–30	5		
Wyandotte County—				
Kansas City	Jan. 3–Mar. 6	18		
Total for State		514	1	
Kentucky:				
Anderson County	Oct. 1–Jan. 20	200	1	Including Lawrenceburg.
Covington	Dec. 29–Mar. 13	17		
Georgetown	Dec. 2–Mar. 4	31		
Henderson		7		Jan. 1–June 30, 1908.
Lexington	Dec. 28–Feb. 27	37		
Newport	July 1–Jan. 31	20	1	Jan. 1–June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24–Mar. 7	40		
Total for State		352	2	
Louisiana:				
Alexandria	Feb. 1–28	9		
Arcadia Parish	Dec. 20–Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20–Mar. 6	23		
Shreveport	Jan. 1–20	32	1	
Total for State		94	1	
Maine:				
Cyr plantation	Oct. 16–24	11		
Frenchville	Nov. 11–Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16–Dec. 12	26		
St. Agatha	Oct. 24–Dec. 26	9		
St. David	Dec. 13–19	1		
Upper Frenchville	Oct. 25–Nov. 11	2		
Van Buren	Oct. 18–Feb. 6	94		
Total for State		145		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Maryland:				
Baltimore	Jan. 30–Feb. 6	1		
Total for State		1		
Massachusetts:				
New Bedford	Jan. 30–Mar. 13	3		
Taunton	Jan. 3–9	1		
Total for State		4		
Michigan:				
Barry County	Nov. 1–Dec. 31	5		
Cheboygan County	Dec. 1–31	4		
Delta County	Nov. 1–30	1		
Eaton County	Dec. 1–31	1		
Ingham County—				
Lansing	Nov. 1–Dec. 31	11		
Ionia County	Dec. 1–31	2		
Kalamazoo County	Dec. 1–31	3		
Kent County—				
Grand Rapids	Jan. 24–Feb. 20	2		
Lapeer County	Dec. 1–31	2		
Macomb County	Nov. 1–30	1		
Manistee County	Nov. 1–30	2		
Menominee County	Dec. 1–31	1		
Muskegon County	Nov. 1–Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16–Feb. 20	4		
St. Clair County	Nov. 1–Dec. 31	2		
Port Huron	Nov. 1–Dec. 5	3		
Wayne County—				
Detroit	Jan. 10–Mar. 6	6		
Wexford County	Dec. 1–31	2		
Total for State		71		
Minnesota:				
Becker County	Dec. 7–13	1		
Benton County	Oct. 26–Nov. 2	1		
Brown County	Oct. 20–Nov. 23	11		
Carver County	Dec. 7–13	6		
Cass County	Oct. 12–Dec. 7	1		
Chippewa County	Nov. 3–9	1		
Cottonwood County	Oct. 20–26	1		
Dodge County	Nov. 24–Dec. 7	2		
Faribault County	Dec. 7–13	1		
Hennepin County	Oct. 6–12	1		
Minneapolis	Nov. 1–Jan. 31	43		Mar. 1–6, 11 cases.
Hubbard County	Oct. 19–Dec. 7	11		
Jackson County	Dec. 7–13	1		
Lac qui Parle County	Nov. 2–Dec. 13	3		
Lyon County	Nov. 16–Dec. 13	2		
Morrison County	Nov. 20–Dec. 13	20		
Nicolett County	Nov. 16–Dec. 13	3		
Norman County	Dec. 7–13	5		
Pipestone County	Dec. 7–13	6		
Ramsey County	Nov. 16–Dec. 7	2		
St. Paul	Oct. 6–Dec. 13	57		
Renville County	Dec. 1–7	1		
St. Louis County				
Duluth	Nov. 9–Jan. 22	3		
Sibley County	Dec. 7–13	9		
Stearns County	Nov. 9–Dec. 7	4		
Steele County	Oct. 20–Dec. 7	4		
Stevens County	Nov. 9–Dec. 13	12		
Todd County	Nov. 9–Dec. 13	3		
Wabasha County	Nov. 2–Dec. 7	10		
Wadena County	Nov. 2–Dec. 13	15		
Saseka County	Oct. 26–Dec. 7	9		
Washington County	Nov. 24–30	1		
Stillwater	Dec. 1–31	3		
Winona County	Dec. 1–7	1		
Winona	Dec. 1–Jan. 31	5		
Yellow Medicine County	Oct. 20–26	1		
Total for State		260		
Mississippi:				
De Soto County	Nov. 1–Dec. 22	135		
Total for State		135		

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Smallpox in the United States, etc.—Continued

Place.	Date.	Cases.	Deaths.	Remarks.
Missouri:				
Kansas City	Jan. 24–Mar. 6	8		
St. Joseph	Dec. 1–31	1		
St. Louis	Dec. 20–Mar. 6	16		
Springfield	Nov. 1–Feb. 28	3		
Total for State		28		
Montana:				
Cascade County	Nov. 1–30	4		
Flathead County	Nov. 1–30	1		
Gallatin County	Nov. 1–30	13		
Bozeman	Nov. 1–30	15		
Jefferson County	Nov. 1–30	4		
Ravalli County	Nov. 1–30	4		
Silverbow County	Nov. 1–30	5		
Butte	Dec. 2–Mar. 2	25		
Yellowstone County	Nov. 1–30	1		
Total for State		72		
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1–Jan. 31	7		
South Omaha	Dec. 20–Feb. 27	11		
Total for State		19		
New Hampshire:				
Hinsdale	Nov. 1–Dec. 15	6		
West Chesterfield	Nov. 1–Dec. 15	1		
West Lebanon	Jan. 15–Feb. 7	2		
Westmoreland	Nov. 1–Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21–Mar. 6	3		
Perth Amboy	Mar. 4–10	6		
Total for State		9		
New York, general	Nov. 1–Dec. 31	75	1	
Buffalo	Feb. 14–Mar. 6	3		
Mohawk Valley			1	Year 1908.
New York	Feb. 21–27	1	1	
Niagara Falls	Feb. 7–13	1		
Rome	Jan. 1–31	1		
Schenectady	Feb. 7–13	1		
Syracuse	Jan. 9–31	3		
Total for State		85	3	
North Carolina:				
Ashe County	Jan. 1–31	7		
Bertie County	Nov. 1–30	1		
Camden County	Jan. 1–31	30		
Catawba County	Nov. 1–Dec. 31	4		
Currituck County	Nov. 1–Jan. 31	34		Present to Dec. 31.
Duplin County	Dec. 1–Jan. 31	60		
Edgecombe County	Dec. 1–31	1		
Johnston County	Nov. 1–Jan. 31	13		
Jones County	Jan. 1–31	3		
Lenoir County	Dec. 1–31	20		
Lincoln County	Dec. 1–31	1		
Madison County	Jan. 1–31	2		
Nash County	Jan. 1–31	1		
New Hanover County	Jan. 1–31	2		
Pasquotank County	Nov. 1–Jan. 31	79		
Pitt County	Jan. 1–31	2		
Sampson County	Jan. 1–31	22		
Scotland County	Jan. 1–31	6		
Wayne County	Jan. 1–31	20		
Wilmington	Jan. 22–Mar. 1	4		Imported.
Total for State		312		
North Dakota	July 1–Feb. 19	168		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ohio, general	June 14–Jan. 2	337		
Cincinnati	Dec. 12–Mar. 5	161	1	
Cleveland	Feb. 28–Mar. 5	2		
Columbus	Mar. 1–6	1		
Dayton	Jan. 24–Feb. 20	5		
Newark		3		Year 1908.
Tiffin	Jan. 3–23	2		
Total for State		511	1	
Oregon:				
Clackamas County	Sept. 1–30	1		
Harney County	Sept. 1–30	1		
Jackson County	Oct. 1–Dec. 31	9		
Lane County	Dec. 1–31	10		
Linn County	Sept. 1–Oct. 31	5		
Marion County	Sept. 1–Dec. 31	4		
Multnomah County	Dec. 1–31	5		
Portland	Nov. 1–Jan. 31	76		
Polk County	Sept. 1–Dec. 31	9		
Tillamook County	Oct. 1–31	1		
Umatilla County	Sept. 1–Dec. 31	6		
Wallowa County	Oct. 1–31	1		
Washington County	Oct. 1–Dec. 31	23		
Yamhill County	Sept. 1–Dec. 31	17		
Total for State		168		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18–Jan. 20	3		
New Castle	Feb. 1–28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 19–25	1		
Pittsburg	Dec. 13–19	1		Imported.
Prompton	Jan. 2–Feb. 10	3		
Total for State		11		
South Dakota:				
Aberdeen	May 1–Jan. 31	43		
Total for State		43		
Tennessee:				
Green County	Jan. 2	103		Including Greenville.
Knoxville	Dec 28–Feb. 27	13		
Memphis	Jan. 1–Mar. 6	126		
Nashville	Dec. 20–Mar. 13	37		
Polk County	Jan. 22	30		
Total for State		309		
Texas:				
Cost	Oct. 1–Dec. 19			Present.
Cotulla	Jan. 25–Feb. 17			Do.
Denton County	Jan. 1–Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10–Mar. 9	5	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Goliad County	Dec. 1–Jan. 20	25		
Houston	Jan. 1–31	3		
Laredo	Dec. 26–Mar. 6	5		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–Mar. 6	72		
San Augustine County	Jan. 5			Do.
Total for State		387	1	
Utah:				
Cache County	Jan. 1–31	41		
Davis County	Nov. 1–Jan. 31	26		
Garfield County	Dec. 1–Jan. 31	25		
Millard County	Jan. 1–31	1		
Salt Lake County	Dec. 1–Jan. 31	136		
Salt Lake City	Dec. 1–Feb. 28	272	1	
Sanpete County	Dec. 1–31	1		
Sevier County	Jan. 1–31	2		
Summit County	Dec. 1–Jan. 31	31		
Utah County	Dec. 1–31	1		
Weber County	Nov. 1–Jan. 31	3		
Total for State		539	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Vermont:				
Brattleboro	Dec. 5–Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	8		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October.
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Total for State		10		
Washington:				
Seattle	Oct. 1–Jan. 31	15		
Spokane	Dec. 6–Feb. 20	10	1	
Tacoma	Dec. 14–Mar. 6	45		
Total for State		70	1	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville				Present in January.
Weston	Jan. 15–Feb. 13	1		
Total for State		2		
Wisconsin:				
Appleton	Mar. 6–13	1		
La Crosse	Dec. 13–Mar. 6	34		
Manitowoc	Dec. 13–Feb. 27	14		
Milwaukee	Dec. 6–Feb. 27	110		
Total for State		159		
Grand total for the United States		6,085	22	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Allentown, Pa	Jan. 2	35,416	17					10	1	2					
Do	Jan. 9	35,416	22		2	1		10	3	10	1			1	
Do	Jan. 16	35,416	21		2			12	1	5	1	1			1
Do	Jan. 23	35,416	12					7	1	12					
Do	Jan. 30	35,416	17		1	1		3		6	1				
Altoona, Pa	Mar. 6	38,973	14					3		3					
Ann Arbor, Mich	do	14,509	9									1		1	
Atchison, Kans	Feb. 13	15,722	6												
Do	Feb. 20	15,722	3	1	1										
Do	Feb. 27	15,722	3							2					
Auburn, N. Y	Feb. 20	30,345	7	1											
Do	Feb. 27	30,345	9	2	1	2									
Baltimore, Md	Mar. 6	508,957	166	18	18	3		9	2	28	5	147	1	4	
Bath, Me	do	10,477						3							
Bayonne, N. J	do	32,722		3				7		4		13			
Beaver Falls, Pa	do	13,000				1									
Berkeley, Cal	Feb. 27	13,214	5	1	1			1				2			
Biddeford, Me	Mar. 6	16,145	11	1	1										
Boston, Mass	do	560,892	232	42	32	5		64	6	38	4	64	1	14	7
Braddock, Pa	do	15,654	9			2				1					
Bradford, Pa	Mar. 7	15,029	4		1									2	
Brockton, Mass	Mar. 6	40,063	15	2		1		7		1		231	2	8	1
Butler, Pa	Feb. 21	10,853	4												
Do	Feb. 28	10,853	4		2										1

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Butte, Mont	Feb. 23	30,470	10		3			3		1					
Do	Mar. 2	30,470	8		1			4	2	1					
Cambridge, Mass.	Mar. 6	91,886	33	7	4			5		10		10		2	
Camden, N. J	...do	75,935	34	4	1	1		7		6	1	8			
Camden, S. C	...do	2,441				1		1							
Carbondale, Pa	...do	13,536	6	1	1	1		4		1		1			
Charlotte, N. C	Mar. 5	18,091	2					1				5			
Chelsea, Mass	Mar. 6	34,072	8	1				4		15					
Chicago, Ill	...do	1,698,575	601	433	73	264	9	594		526	16	467	2	68	1
Chicopee, Mass	...do	19.167	11		1										
Cincinnati, Ohio	Mar. 5	325,902	131	12	22		1	7		11	2	5		9	
Cleveland, Ohio	...do	381,768	136	38	15	4	1	15		28		16	2	24	
Clinton, Mass	Mar. 6	13,667	6	2	1					1	1				
Columbus, Ga	...do	17,614	4												
Columbus, Ohio	...do	125,560	50	13	6	2	2	1		1		4		1	
Covington, Ky	...do	42,938	12		1		1			1					
Danville, Ill	Mar. 7	16,534	8		1			6		1		1			
Dayton, Ohio	Mar. 6	85,333	31	2				1		1		13			
Detroit, Mich	...do	285,704	112					9		14	1				
Duluth, Minn	Mar. 4	80,000	16	12	1			4		9					
Dunkirk, N. Y	Mar. 6	11,616	4					1							
Elmira, N. Y	...do	35.672	7	31		1		3		2		7			
El Paso, Tex	Mar. 2	15,905	28		4	2	1	2	1			3			
Elkhart, Ind	Mar. 6	15,184	6	3	2							3			
Erie, Pa	Mar. 7	52,733	13	2	1	3		10		1		1		13	2
Evansville, Ind	Mar. 6	59.007	14	2	3	3				2					
Everett, Mass	...do	24,336	8	1				6							
Fall River, Mass	...do	104,863	51	1	1	1		3		2	1	6		1	
Findlay, Ohio	...do	17,613	5		1										
Fort Wayne, Ind	...do	45,115	22		4					2					
Galesburg, Ill	...do	18,607	10					2		1					
Galveston, Tex	Mar. 5	37,789	8	3	1	2		1		2					
Glens Falls, N. Y	Mar. 6	13,543	9	3	2							1			
Gloucester, Mass	Mar. 5	26,121	3		1										
G'd Rapids, Mich.	Mar. 6	87,565	29	2	1	3		11		8	1	1		5	1
G't Falls, Mont	...do	14,930	3	2				11		1	1	6			
Greensboro, N. C	...do	10,035	3												
Harrison, N. J	...do	10,596	5	2	2	1				1					
Hartford, Conn	Feb. 28	79,850	42		4					3		2		1	
Do	Mar. 7	79,850	33	3	4			3		3					
Haverhill, Mass	Mar. 6	37,175	12	5	1					5	1	1			
Hoboken, N. J	...do	59,364						8	1	3					
Homestead, Pa	Feb. 28	12,554	13	1	1	1						26			
Do	Mar. 7	12,554	9					2				18			
Indianapolis, Ind	...do	169,164	56		8	2		2		6	1	34			
Jacksonville, Fla	Mar. 6	28,429	26		2					1	1				
Jersey City, N. J	Mar. 7	206,433	94	2	9			23	2	13	1	46		5	
Johnstown, Pa	Mar. 6	35,936	18			2	1	13		4	1	6			
Kansas City, Kans.	...do	51,418	24		6	3		2		1		1		1	1
Kansas City, Mo	...do	163,752	58	7	5	11	1	4	1	7	1	3			
Kearny, N. J	...do	10,896	4					2		1					
Kingston, N. Y	...do	24,535	8												
Knoxville, Tenn	...do	32,637	12	1	1					1	1	13		1	1
La Crosse, Wis	...do	28,895	7					2							
La Fayette, Ind	Mar. 8	18,116	3		1			2				2			
Lancaster, Pa	Mar. 6	41,459	8			1		5		1				4	
Lawrence, Mass	Mar. 6	62,559	27	3	3		1	1		3		8			
Lebanon, Pa	Mar. 9	17,628	7		2	1		1		1	1	2			
Lexington, Ky	Mar. 6	26,369	19		1									3	
Little Falls, N. Y	...do	10,381	2												
Los Angeles, Cal	Feb. 27	102,479	97	13	20	6	1	19		7	1	2			
Lowell, Mass	Mar. 6	94,969	40	2	2					6	1	1			
Lynchburg, Va	...do	18,891								1					
Lynn, Mass	...do	68,513	23		1	2		3	1	6		2			
Malden, Mass	...do	33,664	5	2				6		3		12			
Manchester, N. H	...do	56,987	22	1	1			2		5				1	1
Manitowoc, Wis	...do	11,786	6							1	1				
Mansfield, Ohio	...do	17,650						2				2			
Marinette, Wis	...do	16,195	3	1	1			4							
Marion, Ind	...do	17,337	10		1			2		1					
Marlboro, Mass	Feb. 27	13,609	9					1							1
Do	Mar. 6	13,609	7					1							

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Massillon, Ohio	Mar. 6	11,944	2												
Medford, Mass	...do	18,244	7					2		2	1	1			
Melrose, Mass	...do	12,962	3	1				5				1		19	
Minneapolis, Minn.	...do	202,718	70	5	3	1	4	21		28	2				
Mobile, Ala	Feb. 27	38,469	21		4			1							
Montclair, N. J	Mar. 6	13,962	3					1				3			
Montgomery, Ala.	Mar. 5	30,346	14		2										
Moline, Ill	Mar. 7	17,248	11					5				15	1		
Morristown, N. J	Mar. 6	13,000	3	1						1					
Mount Vernon, N. Y	...do	21,228	13		1	1		1		1		17	1	1	
Muncie, Ind	...do	20,942	3					1				4		2	
Nanticoke, Pa	Mar. 7	12,616	4							1		1			
Nashville, Tenn	Mar. 6	80,865	33	4	5	1				1					
Nebraska City, Nebr	...do	7,200	3							1					
Newark, N. J	...do	246,070	98		16	4		49	1	31	2				
New Bedford, Mass	...do	63,442	24	3	1	2		6	1	2					1
Newburyport, Mass	...do	14,478	5					1							
New London, Conn	...do	17,548	7	1	1							2			
New Orleans, La	...do	278,104	136	34	16	8	5	59	2	5					
Newton, Mass	...do	33,587	14	1		1	1	1		3	1	1			
New York, N. Y	...do	3,437,202	1,483	464	163	28	7	352	23	332	44	642	20	62	3
Niagara Falls, N. Y.	...do	19,457	7	2		7	1			1					
Norristown Pa	...do	22,265	11									1			
North Adams, Mass	...do	24,200	5	2				2							
Northampton, Mass	...do	18,643	5									17			
Orange, N. J	...do	24,141	8	1	3			3		1					
Ottumwa, Iowa	...do	18,197	4											3	
Paducah, Ky	Mar. 7	19,446	8	5	1										
Palmer, Mass	Feb. 27	7,801	3					1				1			1
Do	Mar. 6	7,801	2												
Philadelphia, Pa	Feb. 13	1,293,697	603	144	82	56	12	67	2	71	10	78	7	16	3
Do	Feb. 20	1,293,697	549	113	60	38	9	76	3	93	16	147	5	13	2
Do	Feb. 27	1,293,697	569	152	86	55	9	75	3	80	8	126	5	23	4
Pittsburg, Pa	Feb. 13	321,616	164	36	13	27	3	27	3	11	2	30	1	12	2
Do	Feb. 20	321,616	141	38	13	37	5	32	1	15	1	37	2	20	1
Do	Feb. 27	321,616	161	32	13	13	6	30	1	13	1	28		27	1
Pittsfield, Mass	Mar. 6	21,766	9	1	1					1					
Plainfield, N. J	...do	15,369	5	2								2			
Plymouth, Pa	...do	13,649		4								2			
Portland, Me	Feb. 13	50,145	20	1	1	1		1							
Do	Feb. 20	50,145	20	1		2									
Do	Feb. 27	50,145	23	1	1	1	1	1		3				1	
Do	Mar. 6	50,145	21	1	2			4		4					
Portsmouth, Va	Mar. 9	17,427	6					2		1					
Providence, R. I	Mar. 6	175,597	79	4	9			7		13	2				
Racine, Wis	...do	29,102	17		2										
Reading, Pa	Mar. 8	78,961	36	4	4	9	1	14		2		2		6	
Richmond, Va	Mar. 6	85,050	50	1	10	2				4	1	1			
Rock Island, Ill	Feb. 27	19,493	10			1	1	1							
Do	Mar. 6	19,493	8		1										
Saginaw, Mich	Feb. 27	42,345	15	1	1			1				1			
St. Joseph, Mo	Feb. 20	102,979	8	1				3		1					
Do	Feb. 27	102,979	16		2			2		1					
St. Louis, Mo	Mar. 6	575,238	242	50	24	3	2	15	1	46	7	221	8	5	
San Antonio, Tex	...do	53,321				2		1							
San Francisco, Cal	Feb. 27	342,782	150	26	22	2	2	7		7	3	73	1	6	1
Scranton, Pa	Mar. 6	102,026	24				1	7	2	3		17			
Schenectady, N. Y.	...do	31,682	17	3	3			2	2	5	2	1			
Shamokin, Pa	...do	18,202	5					1				9			
Somerville, Mass	...do	61,643	27		1			6		7		5			
South Bend, Ind	...do	35,999	15	1	1			1				4	1		
Spokane, Wash	Feb. 27	38,848	35		5			13		3		31	2		
Springfield, Ill	Mar. 5	34,159	14					1		1					
Springfield, Mass.	Mar. 6	62,059	22	2				5		5	2	3			
Springfield, Ohio	...do	38,253	7	5	2					2					

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Steelton, Pa	Mar. 6	12,068	1					1		1					
Tacoma, Wash	Feb. 14	37,714	14		2			5	1			1			
Do	Feb. 21	37,714	15		2			3		2	1	1			
Do	Feb. 28	37,714	21		4	2		5		1		1			
Do	Mar. 7	37,714	17		2			5				2			
Taunton, Mass	Mar. 6	31,036	17		2										
Terre Haute, Ind	do	36,673	16		3	1	2								
Titusville, Pa	do	8,244	6	1											
Topeka, Kans	Feb. 27	33,608	11			1	1								
Trenton, N. J	Mar. 6	73,307		11		4		1							
Walla Walla, Wash	do	10,049				2		2							
Waltham, Mass	do	23,481	16		1			4				9	1		
Warren, Pa	Feb. 28	8,043	1												
Washington, D C	Feb. 27	278,718	119	37	17	6	1	13	1	13	2	526	7	16	
Do	Mar. 6	278,718	133	34	14	3		13	1	17	2	485	1	7	2
Wheeling, W. Va	do	38,878	10	4	4	10	1	1				2			
Wilkes-Barre, Pa	Mar. 5	51,721	24	2	1			3	1	6	1	51		1	
Wilkinsburg, Pa	Mar. 7	13,000	3	1						2		1			
Williamsport, Pa	Feb. 27	28,757	11	1	1			2		4					
Do	Mar. 6	28,757	12		1			2							
Wilmington, Del	do	76,508	35		3		1								
Winona, Minn	Mar. 9	19,714	8												
Woburn, Mass	Mar. 6	14,254	5	1						1					
York, Pa	do	33,708		1		1		2							

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, March 3, 1909.]

CHOLERA.

RUSSIA.—February 14. The Don territory is declared only menaced with cholera, with the exception of the Taganrog district, which is infected. The territories of Kooban, Terek, and Akmolinsk, the city of Taganrog, and the market town of Asov are declared free from cholera.

BARBADOS.

Report from Bridgetown—Inspection of vessels—Status of yellow fever.

Acting Assistant Surgeon Urquhart reports, February 27 and March 6:

Period February 22 to 27. Number of vessels inspected, 6. Total number of passengers, 3; members of crews, 153. The sanitary condition of the vessels, cargoes, crews, and passengers was good. Five cases of yellow fever were reported this week, none of which were in this port; they were in the interior of the island. No deaths were reported for the week.

To date there have been reported 54 cases of yellow fever, with 16 deaths. The last case of yellow fever and last death from the same disease reported in Bridgetown occurred February 1.

Week ended March 6. Number of vessels inspected, 7; total number of passengers, 40; members of crews, 385. The sanitary condition of the vessels, cargoes, crews, and passengers was good. Three cases of yellow fever were reported this week, 2 in Bridgetown, with no deaths.

CHINA.

Report from Amoy—Plague.

The following is received from the Department of State, under date of March 16:

Cable from Amoy, China, plague.

Report from Shanghai—Inspection of vessels—Plague in rats.

Acting Assistant Surgeon Ransom reports, January 26:

Week ended January 23. Supplemental bills of health granted to 2 steamships having an aggregate personnel of 449. Of these 1 vessel, 117 members of crews, and 17 steerage passengers were inspected.

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There were also inspected and passed 41 pieces of steerage passenger baggage. Manifests were viséed for 3,653 pieces of freight, amounting to 187.02 tons.

The steamship *Tenyo Maru*, Hongkong to San Francisco, remained at Woosung while in this port. Loading was carried on from lighters during daylight only, and rat guards were used on lines to lighters. The communication with shore was limited to the European personnel exclusively. The inspection of personnel from Shanghai was carried out at the tender for the vessel at the hour of her departure.

The steamship *Tango Maru*, Hongkong to Seattle, lay at a buoy while in this port. She was loaded from lighters during the entire twenty-four hours, rat guards being used on all lines. The purser of the vessel only was allowed on shore. The vessel was scheduled to sail on January 23, and bill of health was accordingly issued at that time; but her departure was delayed twenty-four hours, so that the final inspection of the vessel and personnel was made at 11.30 on January 24.

Plague-infected rats continue to be found and are spread over the entire settlement. No human plague cases have been reported. The weather has been exceedingly cold, and there have been two falls of snow during the week just ended.

No reports have been received from outports.

CUBA.

Reports from Habana—Inspection of vessels—House and water-deposit inspection—Sewerage system—Summary of inspection work, and comparative statistics, year 1908.

Passed Assistant Surgeon Amesse reports, March 4:

Week ended March 6.

Vessels inspected	24
Bills of health issued	30
Members of crews of outgoing vessels inspected	1,545
Passengers of outgoing vessels inspected	1,558

Sanitary conditions in Habana and vicinity are satisfactory.

During the month of February the district inspectors examined 40,513 premises, uncovering 78 deposits of mosquito larvæ, 34 of these collections showing larvæ of *Stegomyia calopus*.

The work of installing a system of sewerage is now in progress, about 4 miles having been thus far completed of the 425 miles outlined in the decree authorizing the work.

The official report of the city health officer for the month of January, 1909, shows 40,000 houses inspected and 45 deposits of water containing mosquito larvæ uncovered. Of these latter 27 contained larvæ of *Stegomyia calopus*. This low percentage of infested premises is accounted for by the low temperatures prevailing and the absence of rain. The department issued 3,273 orders for various corrections of sanitary delinquencies. One hundred and sixty-six cisterns and wells were screened, and 621 fines imposed.

Tuberculosis is credited with 96 of the 506 deaths registered for the month, a proportion of almost 1 in 5. Many of these deaths occurred among the cigar makers, and the health officer calls special attention

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to the grave consequences involved in retaining employees in the tobacco trade who are known to be infected. A campaign of education is contemplated to supplement the antituberculosis movement inaugurated under the American administration.

The mortality rate for the month was 17.76, with an estimated population of 333,000.

YEAR 1908.

The annual report of the year 1908 of the city health officer of Habana shows that in the year 1906 there were 6,144 deaths in the municipality of Habana; in 1907, 6,708; and in 1908, which is the subject of this report, 5,994. A corresponding improvement is noticeable in the morbidity statistics as compared with those of 1907:

Diseases.	Number of cases in—	
	1907.	1908.
Enteric fever	423	313
Diphtheria	723	430
Yellow fever	7	3
Scarlet fever	103	389

The number of deaths due to these and other preventable diseases has also decreased, having a diminution in the fatal cases of 34 in enteric fever, 54 in enteritis in children of less than 2 years of age, 29 in diphtheria, and 7 in infantile tetanus.

One hundred and seventy-two public and 104 private schools were inspected, comprising the examination of 10,852 children.

As a result of this inspection, orders were issued to 644 children to temporarily discontinue school attendance to prevent the spread of transmissible diseases. Forty-five children suffering from trachoma were suspended from attendance.

The division of disinfection fumigated 4,231 houses, containing 22,830 rooms, on account of transmissible diseases.

There were disinfected in the steam sterilizer 4,827 pieces of clothing and 5,784 pieces were burned.

The mosquito division petrolized or destroyed 818,105 cans and other breeding places found on vacant lots and public grounds. This division also petrolized or drained 170,586 pools, ditches, and swamps; 39,395 crab holes were destroyed, 15,183 drainage ditches were covered or cleaned and petrolized, and 50,912 square meters of brush were cleared.

In the tuberculosis division the following transactions are noted:

Since the dispensary was opened to the public, 12,141 patients have registered, and on December 31, 1907, 308 patients were under treatment. In 1908, 979 patients registered, 918 adults and 61 children. There were 5,926 consultations at the dispensary and 1,102 home visits. The pharmacy dispensed 9,909 prescriptions. Patients to the number of 88 were supplied with food and 411 with condensed milk.

In the central office for tuberculosis there were on December 31, 1907, 1,769 registries. During the year 1908, 1,739 registrations were made. One thousand one hundred and eighty-five patients died and 506 were dropped from the lists, the actual number on December 31, 1908, being 1,817 tuberculous patients.

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The division of district inspectors was also very active during the year, having petrolized 580,128 houses, in which 1,611 water deposits were found to contain mosquito larvæ; 1,734 of the genus *Stegomyia*.

The largest number of *Stegomyia* deposits found for any one month was 176 in October.

Eighty-seven stores, 63 private houses, 34 tenement houses, and 57 stables were closed. Seventeen houses were demolished, and 4,315 cesspools were cleaned, giving a total of 9,906 cartloads. Orders were issued for the mosquito-proof covering of 410 water tanks, 181 water deposits, 58 cisterns, and 318 containers of various descriptions.

In the month of March, 1908, the work of collecting and classifying mosquito larvæ was begun. A register of the infested houses was kept, and the name of the occupant noted.

The medical inspectors have maintained a very careful surveillance over all passengers coming to Habana from districts infected with yellow fever or suspected of such infection. All hotels, inns, boarding houses and lodging houses were required to report their daily arrivals. The registration books of all lodging houses have been kept as the law requires, and on this account the tracing of yellow fever cases has been much more successful.

During the year 1908 there were only 3 cases of yellow fever; 1 from Aguila street, taken sick January 27; another from Estrella street, taken sick on same date, and the last case from an inn in San Pedro street, taken sick September 11. This last case could not be satisfactorily traced. The measures employed to check spread from this case were successful.

The campaign against uncovered water deposits has resulted in a marked diminution of the *Stegomyia* mosquito, and a brigade is maintained. The special brigades for petrolizing cesspools and ditches have been reorganized to reenforce the work of the inspectors. Each brigade consists of 4 men with a horse and a cart.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, March 8:

Week ended March 6.

Bills of health were granted to 9 vessels leaving for United States ports in good sanitary condition.

There were no quarantinable diseases reported during the week.

Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, March 2:

Week ended February 27.

Bills of health issued to 6 vessels bound for the United States.

No quarantinable disease reported.

EGYPT.

Case of plague among pilgrims at Suakim.

The following information is taken from the Bulletin Quarantenaire, Alexandria, February 4 and 11:

A case of plague among the pilgrims by the steamship *Huriet II* was bacteriologically verified at the sanitary camp of Suakim and isolated February 1. The pilgrims were ordered to be removed to another

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section of the camp after disinfection and quarantine, beginning from the date of verification.

Suakim is situated on the Red Sea and is the starting point of caravan travel for Berber, Kassala, and Khartoum.

Pilgrimage of 1908–9 declared plague infected.

The sanitary, maritime, and quarantine council of Egypt at its session of January 12 declared the present pilgrimage to the Hedjaz to be plague infected and resolved to apply to it the plague regulations. Pilgrims returning to Egypt by way of Syria shall undergo quarantine at Tor. Vessels bringing to Egyptian ports any considerable number of these pilgrims will be refused admission.

GERMANY.

Report from Berlin—Status of cholera in Russia.

The following is received from Consul-General Thackara, under date of February 20:

During the period from January 24 to 30 there were registered in the city of St. Petersburg 193 cases of cholera, with 52 deaths, and in other places in the government district of Petersburg 1 new case and 4 deaths; in the Don region 7 cases (4 deaths), making a total of 201 cases and 60 deaths.

According to a supplementary official report the total number of cases in the previous week amounted to 304, with 129 deaths.

Cholera spreading in St. Petersburg.

Consul-General Thackara further reports, February 15:

According to a press telegram dated February 12, the number of cholera cases continues to increase. To-day there were 43 fresh cases. At St. George's Hospital there are 15 new cases, and there are 2 cases at the Constantin Military School. A special cholera council has been convoked.

HAWAII.

Reports from Honolulu—Examination of rats at Honolulu for plague infection—Plague infection in rats from Hilo.

Passed Assistant Surgeon Currie, plague laboratory, reports, March 1, through Temporary Chief Quarantine Officer Moore:

HONOLULU.

Week ended February 20.

Total rats taken	634
Trapped	603
Found dead	0
Shot from trees	31
Classification of rats trapped:	
Mus alexandrinus	107
Mus musculus	299
Mus norvegicus	71
Mus rattus	126

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Classification of rats shot from trees:	
Mus alexandrinus	15
Mus rattus	10
Average number of traps set daily	1,544
Poisons placed (barium carbonate)	225
Rats from Hilo referred to this laboratory for bacteriological diagnosis	0
Rats from Hilo still under investigation	3
Rats from Hilo proved to be plague infected during week	0

Week ended February 27.

Total rats taken	374
Trapped	470
Found dead	0
Examined bacteriologically	366
Plague infected	0
Classification of rats trapped:	
Mus alexandrinus	62
Mus musculus	277
Mus norvegicus	59
Mus rattus	72
Average number traps set daily	1,556
Rats from Hilo referred to this laboratory for bacteriological diagnosis	0
Rats from Hilo still under investigation	0
Rats from Hilo proved to be plague infected during week	[a]3

HILO.

Week ended February 13.

Total rats taken	228
Trapped	218
Found dead	10
Examined by agent of board of health	225
Classification of rats:	
Mus alexandrinus	20
Mus musculus	28
Mus norvegicus	83
Mus rattus	97

Week ended February 20.

Total rats taken	154
Trapped	148
Found dead	6
Examined by agent of board of health	150
Classification of rats:	
Mus alexandrinus	8
Mus musculus	36
Mus norvegicus	38
Mus rattus	72

INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Eakins reports, February 18:

During the week ended February 13, a bill of health was issued to the steamship *Marienfels*, bound for Boston and New York with a total crew of 63, and to the steamship *Clan MacIver*, bound for Boston and New York with a total crew of 56. The usual precautions were taken,

[a] Last 3 plague rats show *B. pestis* of low virulence. Last rat previously reported to be plague infected was found, on Oahu (Aiea plantation), August 22, 1907; on Hawaii (Hilo), February 3, 1909.

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the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

Week ended February 6. At Calcutta there were 12 deaths from cholera, 10 from plague, and 202 from smallpox; in Bengal 306 cases of plague with 241 deaths; in India 3,663 cases of plague with 3,076 deaths.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, February 22:

Vessels inspected at Naples and Palermo week ended February 20.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Feb. 16	Duca degli Abruzzi	New York	1,417	50	1,100
17	Carmania	do			
17	Queen Helena	do			
17	San Giovanni	do	635	15	980
19	König Albert	do	1,279	60	1,250
	Total		3,331	125	3,330

PALERMO.

Feb. 18	San Giovanni	New York	786	810	878

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Feb. 16	Duca degli Abruzzi	22	9	10		10	51
17	Carmania						
17	Queen Helena						
17	San Giovanni	15	4	8		9	36
19	König Albert	15	1	1	2	6	25
	Total	52	14	19	2	25	112

PALERMO.

Feb. 18	San Giovanni	29		36		1	66

Smallpox in Naples.—During the week ended February 21 there were 21 cases of smallpox and 5 deaths reported at the health office of the city of Naples.

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Status of smallpox in Italy.—Week ended February 21. Provinces: Rescaldina (Milan), 1 case; Alfianello (Brescia), 2 cases; Verona, 1 case; Parma, 4 cases; Messina, 2 cases.

Week ended February 28. Procida (Naples), 1 case; Palermo, 4 cases.

JAPAN.

Report from Yokohama—Inspection of vessels—Plague rat.

Passed Assistant Surgeon Cumming reports, February 17:

During the week ended February 13 bills of health were issued to 2 steamships, having an aggregate personnel of 55 saloon and 130 steerage passengers and 354 members of crews, both vessels being bound for San Francisco, one via Moji and one via Honolulu.

After a long interval of freedom from quarantinable diseases a plague-infected rat was to-day caught in a drain on Sumiyoshi dori, near the athletic grounds in the center of this city.

A strict watch will be kept by this office upon the freight and vessels from this port.

No other quarantinable disease has been reported.

Report from Kobe—Inspection of vessels.

Acting Assistant Surgeon Knight reports, February 9:

During the week ended February 6 supplemental bills of health were granted to 2 steamships. There were inspected 122 members of crews and 11 steerage passengers. Manifests were viséed for 11,419 pieces of freight, amounting to 1,070 tons.

MEXICO.

Report from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports, March 4:

Week ended March 3. Four steamships were inspected and granted bills of health. No illness occurred on board the vessels while in port.

Report from Mexico City—Yellow fever in Merida and vicinity.

The following is received from Dr. Eduardo Liceaga, president of the superior board of health, under date of March 9:

During the week ended March 6, 2 cases of yellow fever, with 1 death, occurred in the city of Merida, and 1 case at Ticul, 75 kilometers distant from Merida.

Report from Salina Cruz—Inspection and fumigation of vessels.

Acting Assistant Surgeon McPherson reports, March 1:

During the period February 16 to 28, inclusive, 3 steamships were inspected and fumigated on clearing from this port for the United States.

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PHILIPPINE ISLANDS.

Reports from Manila—Quarantine transactions, month of December, 1908.

Chief Quarantine Officer McClintic reports, January 20:

Quarantine transactions of the Service in the Philippine Islands during the month of December, 1908.

PORT OF MANILA.

Bills of health issued	256
Vessels inspected	97
Passengers on arriving vessels inspected	4,071
Persons vaccinated	45
Members of crews on arriving steamships inspected	5,806
Members of crews on arriving sailing vessels inspected	68
Persons quarantined for observation, suspects and contacts	44
Persons bathed and effects disinfected	569
Persons in quarantine	44
Vessel in quarantine	1
Steamship disinfected	1
Steamships partially disinfected	3
Steamships fumigated to exterminate vermin	9
Case of quarantinable disease detected on vessels, smallpox	1
Pieces of baggage disinfected	757
Pieces of baggage inspected and passed	130

OUTGOING.

Steamships sailing without quarantine inspected and passed	11
Steamship disinfected	1
Members of crews on vessels inspected	858
Passengers on vessels inspected	389
Members of crews bathed and effects disinfected	187
Passengers bathed and effects disinfected	293
Pieces of baggage disinfected	1,216
Pieces of baggage inspected and passed	1,941
Pieces of miscellaneous cargo certified	31,492

PORT OF ILOILO.

Bills of health issued	12
Vessels inspected	27
Passengers on arriving vessels inspected	712
Members of crews on arriving steamships inspected	1,350
Persons vaccinated	17
Steamships fumigated to exterminate vermin	1

PORT OF CEBU.

Bills of health issued	15
Vessels inspected	135
Passengers on arriving vessels inspected	1,239
Members of crews on arriving steamships inspected	3,128
Members of crews on arriving sailing vessels inspected	140
Persons detained in quarantine	190
Steamships fumigated to exterminate vermin	2
Sailing vessels fumigated to exterminate vermin	2
Vessels entering quarantine	5

PORT OF CAVITE.

Bills of health issued	7
Vessels inspected	4
Passengers on arriving vessels inspected	2
Members of crews on arriving steamships inspected	448

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PORT OF OLONGAPO.

No transactions.

PORT OF DAVAO.

No transactions.

PORT OF ZAMBOANGA.

Vessels inspected	6
Passengers on arriving vessels inspected	191
Members of crews on arriving steamships inspected	316

PORT OF JOLO.

Vessels inspected	3
Passengers on arriving vessels inspected	44
Members of crews on arriving steamships inspected	144

RUSSIA.

Report from St. Petersburg—Status of cholera in Russia—Examination of emigrants.

Acting Assistant Surgeon De Forrest reports, February 26:

Reports from St. Petersburg, from February 19 to 25, February 20 and 21 not included, show 63 cases of cholera and 19 deaths. February 19 there were present in the hospital 266 cases.

Cholera was reported at other localities, as follows:

February 19, Jaroslav, 28 cases, 10 deaths.

February 19, Rubinsk, 1 new case.

Number of emigrants examined, sailing March 2, per steamship *Lituania*, 1,119.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Sierra Leone—Freetown.*—Month of January, 1909. Estimated population, 40,000. Total number of deaths, 64. No deaths from contagious diseases reported.

AUSTRALIA—*State of Victoria, including the city of Melbourne.*—Quarter ended December 26, 1908. Estimated population of State, 1,237,998; city, 526,400. Total number of deaths, 4,130, including enteric fever 17, scarlet fever 12, and 11 from diphtheria. Cases: Enteric fever 228, scarlet fever 478, and diphtheria 529.

CANADA—*Ontario—Hamilton.*—Month of February, 1909. Estimated population, 66,967. Total number of deaths, 63, including scarlet fever 2, diphtheria 1, and 4 from tuberculosis. Cases: Scarlet fever 27, diphtheria 12, measles 1, and whooping cough 3.

Ontario—Niagara Falls.—January and February, 1909. Estimated population, 9,500. Total number of deaths, 17, including enteric fever 1, and 1 from tuberculosis.

CUBA—*Habana.*—Annual report for the year 1908. Estimated population, 300,000. Total number of deaths, 5,994, including enteric fever 66, measles 13, scarlet fever 8, whooping cough 14, diphtheria

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27, yellow fever 1, and 1,174 from tuberculosis. Total number of deaths correspond to an annual death rate of 19.62 per 1,000 of population.

Sagua la Grande.—Month of February, 1909. Estimated population, 28,030. Total number of deaths, 31. Cause of deaths not reported.

FRANCE—*Cherbourg.*—Month of February, 1909. Estimated population, 43,948. Total number of deaths, 112, including enteric fever 11, whooping cough 1, and 20 from tuberculosis.

St. Etienne.—Two weeks ended February 15, 1909. Estimated population, 150,000. Total number of deaths, 147, including diphtheria 2, scarlet fever 2, and 11 from tuberculosis.

GERMANY—*Bavaria—Munich.*—Month of December, 1908. Estimated population, 556,000. Total number of deaths, 888, including scarlet fever 22, measles 14, diphtheria 16, whooping cough 3, and 129 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended February 20, 1909, correspond to an annual rate of 18.1 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand seven hundred and thirty-one deaths were registered during the week, including measles 93, scarlet fever 8, diphtheria 19, enteric fever 4, whooping cough 25, tuberculosis 166, and 9 from diarrhea. The deaths from all causes correspond to an annual rate of 18.7 per 1,000. In greater London 2,442 deaths were registered. In the "outer ring" the deaths included 9 from measles, 6 from diphtheria, 1 from enteric fever, and 5 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended February 20, 1909, in the 21 principal town districts of Ireland was 21.5 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Portadown, viz, 5.2, and the highest in Waterford, viz, 40.9 per 1,000.

MADAGASCAR—*Tamatave.*—Seven weeks ended January 30, 1909. Estimated population 7,086. Total number of deaths, 25. Cause of deaths not reported.

MALTA.—Two weeks ended February 13, 1909. Estimated population, 209,974. Total number of deaths, 178, including enteric fever 1, diphtheria 1, and 11 from tuberculosis.

MEXICO—*Tampico.*—Month of February, 1909. Estimated population, 20,000. Total number of deaths, 66, including 7 from tuberculosis.

NEW ZEALAND—*Auckland.*—Month of December, 1908. Estimated population, 73,032. Total number of deaths 78, including 4 from tuberculosis.

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Wellington.—Month of December, 1908. Estimated population, 70,947. Total number of deaths, 59, including diphtheria 1, and 4 from tuberculosis.

Christchurch.—Month of December, 1908. Estimated population, 59,544. Total number of deaths, 45, including 11 from tuberculosis.

Dunedin.—Month of December, 1908. Estimated population, 59,495. Total number of deaths, 48, including scarlet fever 1, and 9 from tuberculosis.

SPAIN—*Almeria.*—Annual report for the year 1908. Estimated population, 50,000. Total number of deaths, 1,422, including smallpox 36, enteric fever 37, scarlet fever 8, diphtheria 10, measles 11, whooping cough 10, and 124 from tuberculosis. Total number of deaths correspond to an annual death rate of 28.18 per 1,000 of population.

Month of January, 1909.—Estimated population, 50,000. Total number of deaths, 125, including enteric fever 2, smallpox 1, and 16 from tuberculosis.

Huelva.—Month of January, 1909. Estimated population, 24,000. Total number of deaths, 92, including enteric fever 1, and 9 from tuberculosis.

URUGUAY—*Montevideo.*—Month of December, 1908. Estimated population, 309,904. Total number of deaths, 448, including smallpox 1, measles 4, scarlet fever 4, diphtheria 2, whooping cough 1, and 69 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to March 19, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15–Dec. 5	12	10	
China:				
Hongkong	Dec. 28–Jan. 2	1	1	
India:				
Bombay	Dec. 9–Feb. 16		80	
Calcutta	Nov. 1–Feb. 6		149	
Madras	Nov. 14–Feb. 12		53	
Negapatam	Oct. 31–Nov. 6		1	
Rangoon	Nov. 8–Feb. 6		29	
Indo-China—Cholen	Nov. 9–15	1	1	
Persia:				
Tabriz	Oct. 9–Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1–Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1–Jan. 16	260	163	
Bataan	Nov. 1–7	1	1	
Bohol	Dec. 20–Jan. 16	73	50	
Bulacan	Nov. 1–Dec. 19	81	67	
Cagayan	Nov. 1–Jan. 16	114	67	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands—Cont'd.				
Provinces—Continued.				
Capiz	Nov. 1-Jan. 16	1,056	580	
Cavite	Nov. 1-Jan. 12	73	56	
Cebu	Dec. 20-Jan. 16	17	12	
Ilocos Norte	Nov. 1-Jan. 16	335	235	
Ilocos Sur	Nov. 1-Jan. 2	207	140	
Iloilo	Nov. 1-Jan. 16	293	154	
La Laguna	Nov. 1-Jan. 16	76	49	
Leyte	Nov. 1-Jan. 12	142	121	
Negros Occidental	Nov. 1-Jan. 16	272	175	
Palawan	Nov. 1-Dec. 19	10	5	
Pampanga	Nov. 1-Jan. 16	10	9	
Rizal	Nov. 1-Jan. 16	221	199	
Samar	Nov. 1-Jan. 16	148	102	
Sorsogon	Jan. 10-16	20	9	
Surigao	Nov. 15-Jan. 12	7	4	
Union	Nov. 1-Jan. 12	12	8	
Zambales	Dec. 6-12	8	8	
Russia, general	Nov. 15-Feb. 13	3,908	1,580	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15-Jan. 23	34	13	
Bakoo	Nov. 22-28	3	2	
Batoom	Nov. 15-21	4	2	
Cronstadt	Nov. 15-Jan. 16	3	1	
Don, territory of	Nov. 15-Feb. 13	187	96	
Ekaterinislav	Nov. 15-Dec. 26	27	11	
Erivan	Dec. 1-31	28	21	
Helsingfors	Jan. 10	2	.....	In vicinity.
Jaroslav	Feb. 7	1	.....	
Kerson	Nov. 15-Dec. 19	2	.....	
Kharkov	Dec. 6-12	1	.....	
Kief	Nov. 15-Dec. 12	11	1	
Kooban	Nov. 15-Jan. 2	139	76	
Kostroma	Dec. 6-12	1	.....	
Livonia	Nov. 15-21	2	1	
Moscow district	Dec. 6-Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17-23	1	1	Imported.
Odessa	Nov. 29-Dec. 12	2	2	
Olonets	Nov. 21-28	1	1	
Poltava	Nov. 29-Dec. 5	3	.....	
Samara gov't dist	Nov. 29-Dec. 5	7	7	
Samarcand	Dec. 6-12	10	7	In vicinity.
Saratov	Nov. 15-Dec. 12	11	6	
Semipalatinsk, territory of	Dec. 19-26	1	.....	
Stavropol	Nov. 15-21	1	.....	
St. Petersburg, government	Nov. 15-Feb. 13	13	8	
St. Petersburg	Nov. 29-Feb. 13	1,724	549	Feb. 25, still present.
Tamboy	Nov. 15-Dec. 12	16	8	
Tavride	Nov. 15-Dec. 19	9	5	
Terek, territory of	Nov. 15-Dec. 19	99	62	
Tiflis	Nov. 15-21	9	4	
Tomsk	Nov. 15-Jan. 23	102	48	
Tver, district	Nov. 15-Dec. 5	4	.....	
Volgoda	Dec. 6-12	1	.....	
Yelisavetpol	Nov. 26-Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1-Dec. 5	1	.....	
Straits Settlements:				
Singapore	Nov. 8-Jan. 23	.....	161	

YELLOW FEVER.

Barbados, general	Dec. 12-Mar. 6	49	16	Including the parishes of St. Andrew, St. Lucy, and St. Joseph.
Bridgetown	Dec. 12-Mar. 6	8	.....	
Brazil:				
Bahia	Nov. 15-Feb. 13	104	34	
Manaos	Nov. 29-Feb. 20	.....	10	
Para	Nov. 22-Feb. 27	.....	38	
Pernambuco	Nov. 15-30	.....	1	
Colombia:				
Cartagena	Jan. 8-14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1-2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

YELLOW FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Curaçao	Jan. 15	1	.....	
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29–Feb. 13	.....	26	
Martinique:				
Fort de France	Dec. 13–Jan. 30	3	1	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–Mar. 6	15	8	
San Bernardo plantation	Dec. 27–Jan. 30	4	2	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Ticul	Feb. 1–Mar. 6	2	1	
Veracruz	Dec. 6–Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20	.....	1	

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Azores:				
Terceira	Jan. 25–Feb. 9	9	1	
Australia:				
Brisbane	Nov. 1–7	1	1	
Brazil:				
Bahia	Nov. 15–Feb. 13	45	24	
Para	Jan. 24–Feb. 6	.....	2	
Pernambuco	Nov. 1–Dec. 31	.....	10	
Rio de Janeiro	Nov. 16–Feb. 14	64	34	
Chile:				
Iquique	Nov. 22–Jan. 26	22	3	
China:				
Amoy	Mar. 16	.....	.....	Present.
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–Jan 2	2	2	
Tientsin	Oct. 18–Nov. 21	.....	.....	Still present.
Tongshan	Nov. 1–14	.....	.....	Present.
Ecuador:				
Guayaquil	Nov. 29–Feb. 23	.....	34	
Milagro	Nov. 17–Dec. 12	17	8	Dec. 19, still present.
Tolte	Dec. 25–Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14–Dec. 4	3	.....	
Port Said	Dec. 4	1	.....	
Suakim	Feb. 1	1	.....	On ss. Huriet II.
Provinces—				
Assiout	Dec. 2–Jan. 13	5	5	
Beherach	Nov. 24–Dec. 26	11	6	
Dakaklieh	Feb. 4	1	1	
Galyoobeeyeh	Nov. 21–Feb. 2	3	.....	
Garbieh	Nov. 27–Jan. 28	4	2	
Girgeh	Oct. 18–Feb. 1	6	6	
Fayoum	Nov. 23–Dec. 1	1	1	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Jan. 27	4	.....	
India:				
Bombay Presidency and Sind.	Nov. 2–Feb. 6	13,730	9,692	
Madras Presidency	Nov. 2–Feb. 6	881	636	
Bengal	Nov. 2–Feb. 6	2,321	1,948	
United Provinces	Nov. 2–Feb. 6	2,819	2,334	
Punjab	Nov. 2–Feb. 6	7,078	5,951	
Burma	Nov. 2–Feb. 6	2,790	2,651	
Central provinces, including Berar.	Nov. 2–Feb. 6	2,931	2,243	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Feb. 6	2,249	1,596	
Hyderabad State	Nov. 2–Feb. 6	507	416	
Central India	Nov. 2–Feb. 6	634	495	
Rajputana	Nov. 2–Feb. 6	1,437	1,405	
Grand total		37,382	29,370	
Indo-China:				
Cholen	Oct. 25–Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25–Jan. 16	10	9	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Japan:				
Formosa	Nov. 8–Jan. 30	49	37	
Kagi, prefecture	Jan. 16	5		
Hiogo				
Kagoshima	Feb. 6	1		From s. s. Shinkochi.
Kobe	Jan. 20	2	2	Year 1908, 219 cases additional.
Nara				
Nishinomiya	Jan. 6	1		Year 1908, 2 cases additional.
Osaka	Dec. 22	2	1	Year 1908, 58 cases.
				Year 1908, 59 cases additional; Jan. 29, on s. s. Shinkochi Maru.
Yura		116	88	Year 1908.
Mauritius	Oct. 2–Nov. 28		64	
Peru:				
Callao	Nov. 13–Jan. 28	17	6	
Cataeaos	Dec. 11–Jan. 14	4		
Chorrillos	Jan. 22–28	2	1	
Chepen	Nov. 27–Jan. 28	13	3	
Chiclayo	Nov. 13–Jan. 28	26	15	
Chota	Jan. 22–28		2	
Eten	Nov. 13–Dec. 31	11	10	
Ferrenafe	Nov. 13–Dec. 24	9	3	
Lima	Nov. 13–Jan. 28	38	13	
Mollendo	Nov. 13–Jan. 28	8	3	
Monsefu	Nov. 13–Dec. 24	7	2	
Motupe	Dec. 17–Jan. 14	2		
Oyotun, plantation	Nov. 20	4		
Paita	Dec. 11–17	3	2	
Piura	Dec. 11–Jan. 14	6	4	
San Jose (Lambayeque)	Nov. 13–Dec. 3	2		
San Pedro	Nov. 13–Jan 14	23	16	
Trujillo	Nov. 13–Jan. 28	129	57	
Zaña	Jan. 14–28	2	2	
Siam:				
Bangkok	Sept. 27–Dec. 26	12	6	Present in November.
Straits Settlements:				
Singapore	Nov. 30–Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6–Feb. 5	14	7	
Beirut	Dec. 17–Jan. 9	5	5	
Jiddah	Dec. 12–Feb. 7	31	29	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1–Jan. 31		58	Imported.
Arabia:				
Aden	Nov. 25–Feb. 15		73	
Argentina:				
Buenos Aires	Oct. 1–Dec. 31		2	
Australia:				
New South Wales—				
Newcastle	Nov. 1–30	1		
Austria:				
Galicia	Dec. 20–Jan. 23	8		
Silesia	Jan. 3–9	1		
Brazil:				
Bahia	Nov. 15–Feb. 13	278	21	
Para	Feb. 14–27	2	1	
Pernambuco	Nov. 1–Jan. 31		97	
Rio de Janeiro	Nov. 16–Feb. 14	1,252	611	
Santos	Nov. 1–Dec. 20		10	
São Paulo	Nov. 1–Dec. 27		36	
British Honduras:				
Stann Creek	Feb. 5–25	3	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28–Jan. 2	4		
Canada:				
British Columbia—				
Vancouver	Dec. 1–31	1		
Victoria	Dec. 12	25	4	
Manitoba—				
Winnipeg	Dec. 20–Jan. 20	6		
Ontario, Province, general	Dec. 1–31	118		
Hamilton	Jan. 17–23	1		
Toronto	Nov. 8–28	7		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
Nova Scotia—				
Halifax	Dec. 13–Mar. 5	55		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1–Feb. 27	46		And vicinity.
Quebec—				
Montreal	Dec. 26–Jan. 2	1		
Ceylon:				
Colombo	Nov. 1–21	62	13	
Chile:				
Talcaguana	Nov. 20–Jan. 28			Present in vicinity.
Valparaiso	Dec. 6–19	2		
China:				
Amoy	Oct. 11–Nov. 8		2	Dec. 19, still present.
Shanghai	Nov. 11–Feb. 7	4	2	3 cases Nov. 11–Dec. 28 from U. S. transport Seward.
Tientsin	Jan. 24–30	5	1	
Cuba:				
Habana	Dec. 26–Jan. 19	3		Case Dec. 26 on s. s. Floride, case Jan. 19 on s. s. Alfonso XIII.
Ecuador:				
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12–Jan. 14	431	109	
Alexandria	Nov. 26–Jan. 21	20	11	
Cairo	Nov. 19–Feb. 4	262	107	
France:				
Marseille	Dec. 1–Jan. 31		2	
Nice	Jan. 1–31	1		
Paris	Nov. 22–Feb. 20	32	2	
Toulon	Jan. 1–31	1		
Germany, general	Nov. 19–Feb. 27	35		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Brunswick	Feb. 16–20	1		
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22–Jan. 2		4	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–Feb. 27	15	4	
London	Feb. 1–6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25–Feb. 16		84	
Calcutta	Nov. 1–Feb. 6		639	
Madras	Nov. 28–Feb. 12		9	
Rangoon	Nov. 22–Feb. 6		14	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–Jan. 9	10	7	
Italy, general	Nov. 30–Feb. 28	165		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–30	2		
Genoa	Dec. 1–Jan. 15	3		
Naples	Dec. 7–Feb. 21	239	48	Jan. 18, 1 case on s. s. Europa.
Palermo	Jan. 24–30	1		
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15–21	2		
Japan:				
Formosa	Nov. 29–Jan. 16	10		
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–Jan. 30	40	3	
Malta	Nov. 22–Feb. 13	4		Case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17–30	1	1	
Mexico:				
Acapulco	Jan. 11–31	12		
Guadalajara	Jan. 7–Feb. 25	5	3	
Mexico City	Nov. 8–Feb. 14		80	
Monterey	Jan. 4–Feb. 21		8	
Salina Cruz	Jan. 1–15	5		
Tehuantepec	Jan. 28–Feb. 3			Present.
Veracruz	Dec. 13–Feb. 27	4	2	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Rotterdam	Jan. 10–16	1		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Newfoundland	Feb. 9-13			Epidemic on south coast.
St. Johns	Jan. 10-Feb. 13	7		From s. s. Portia.
Norway:				
Bergen	Jan. 24-30		2	
Christiania	Nov. 22-28	1	1	
Paraguay:				
Asuncion	Dec. 20-26			Present.
Persia:				
Hamadan	Oct. 2-Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1-31			Do.
Sultanabad	Oct. 1-31			Do.
Tabriz	Oct. 2-8			Do.
Trebizond	Jan. 16			Do.
Teheran	Sept. 18-Oct. 28		17	
Peru:				
Lima	Nov. 22-Dec. 31	11		Jan. 21, 3 cases in the lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-Jan. 16	11	6	Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-Feb. 20	23		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1-31	1		
Moscow	Nov. 29-Feb. 13	214	81	
Odessa	Oct. 4-Feb. 20	57	12	Revised.
Riga	Nov. 29-Feb. 20	11		
St. Petersburg	Nov. 15-Feb. 13	82	28	
Warsaw	Nov. 1-Jan. 16		55	
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala.
Servia:				
Belgrade	Dec. 6-12	2		
Siam:				
Bangkok	Nov. 1-30			Present.
Siberia:				
Vladivostok	Dec. 14-20	1		
Spain:				
Almeria	Jan. 1-31		1	Apr. 1-Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6-Feb. 23		24	
Cartagena	July 1-31		15	
Madrid	Nov. 1-Jan. 31		35	
Valencia	Nov. 29-Feb. 20	49	5	
Vigo	Nov. 30-Feb. 27		10	
Straits Settlements:				
Singapore	Dec. 28-Jan. 23		3	
Switzerland:				
Zurich	Feb. 21-27	3		
Tripoli:				
Tripoli	Feb. 13	4		
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bassorah	Jan. 3-Feb. 13			Present.
Smyrna	Oct. 7-Jan. 21		60	Jan. 5, epidemic.
Turkey in Europe:				
Constantinople	Dec. 7-Feb. 28		56	
Trebizond	Feb. 7-20			Present.
Uruguay:				
Montevideo	Dec. 1-31		1	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Feb. 20	178,210										2	3	4
Acapulco	Feb. 7	5,000	7											
Aguascalientes	Feb. 28	40,000	40											2
Amsterdam	Feb. 20	565,601	147	19						1			1	4
Antwerp	Feb. 13	323,921	82	4							1			2
Athens	Feb. 6	241,058	107	19					1				2	
Bagdad	Jan. 23	250,000			2									
Barcelona	Jan. 30	600,000	256	24				5	1	9		4	2	2
Do	Feb. 6	600,000	289	22				6	2	16		7	3	3
Do	Feb. 13	600,000	323	21				4	3	16		1		1
Barranquilla	do	40,000	12	1										
Basel	do	131,000	34	6								3	2	
Belfast	Feb. 20	386,576	127	29										
Belize	Mar. 4	9,113	1											
Bergen	Feb. 13	87,749	16	2								1		
Do	Feb. 20	87,749	26	4								2		
Birmingham	do	558,336	225								3	4	31	4
Bombay	Feb. 9	977,822	700	54	28	4		12		1			1	
Bradford	Feb. 20	293,983	124	10								1		2
Bremen	Feb. 13	238,751	59	13							1		1	
Breslau	Feb. 6	335,186	177	25							3	3		
Bristol	Feb. 20	377,642	114								1	2	2	3
Brussels	Feb. 13	693,720	168	17						2		4		
Budapest	Feb. 6	804,200								1	5	4	4	1
Cairo	Feb. 4	701,806	319	26				12	9			3	1	
Calcutta	Jan. 23	847,796	519	10	13	9		98					3	
Do	Jan. 30	847,796	449	21	14	17		83					1	
Cardiff	Feb. 13	195,303	64	6							1	1		1
Do	Feb. 20	195,303	57	4								1		1
Ceiba	do	6,500	3											
Do	Feb. 27	6,500	2	1										
Chihuahua	do	40,000	10											
Christiania	Feb. 13	237,000	57									1		2
Cienfuegos	Feb. 20	37,000	16	1									1	
Do	Feb. 27	37,000	13	1										
Coburg	Feb. 13	23,491	4											
Cologne	do	467,653	150	15							4	5	5	4
Colon	Feb. 21	16,000	6											
Constantinople	Feb. 14	1,000,000	379	49				2		19		2	1	
Do	Feb. 21	1,000,000	387	35				2		10		2	1	
Copenhagen	Feb. 6	447,000	145	18							3		2	1
Dalny	Jan. 30	38,121	23					1						
Do	Feb. 6	38,121	20											
Damascus	Feb. 13	250,000	50											
Dresden	do	245,900	147	22								2	1	1
Do	Feb. 21	245,900	156	26							1		1	3
Durban	Jan. 30	60,972	15	1										
Fiume	Feb. 15	50,011	32	11							1			
Do	Feb. 21	50,011	24	11								1	1	
Flushing	Feb. 20	21,200	5											
Frontera	do	9,000	2											
Geneva	Feb. 6	118,500	47											
Ghent	Feb. 13	164,579	69	6							1			1
Glasgow	Feb. 26	872,021	333							3	4	9		22
Gothenburg	Feb. 13	162,200	49	6						1		2		
Do	Feb. 20	162,200	39	7						1				1
Greenock	do	72,300	27											
Guayaquil	Jan. 23	75,000	67	13	8									1
Do	Feb. 13	75,000	61	9	6		4			2		1		
Halifax [a]	Jan. 23	40,787	21	3								2		
Do	Feb. 27	40,787	21							1		1		
Hamburg	Feb. 20	872,252	301	36							8	4	1	5
Hamilton, Bermuda	Mar. 1	20,206	4											
Havre	Feb. 13	132,430	72	10						1				3
Hilo, Hawaii	Feb. 6	3,500	2											
Do	Feb. 13	3,500	1											
Hull	Feb. 20	275,552	81									2	3	1

[a] Reported out of date.

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Weekly mortality table, foreign and insular cities—Continued.

Cities	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Kobe	Feb. 6	363,593	162							2				
Lausanne	do	56,000	19											
Leeds	Feb. 20	484,012	134	12						1		3		
Leipzig	Feb. 13	537,686	149	19					1	1	3	3	1	
Libau	Jan. 24	90,000										1		
Do	Jan. 31	90,000									4			
Do	Feb. 7	90,000									2			
Do	Feb. 14	90,000									8	1		
Liverpool	Feb. 20	760,357	351	18							4	4	4	7
London	do	4,833,938	1,731	166						4	8	19	93	25
Lübeck	Feb. 13	96,000	20	2							1	1		1
Do	Feb. 20	96,000	32	3						1				1
Lyon	Feb. 13	472,114	187	27						1		2		1
Madras	Feb. 5	509,346	370			2		1					1	
Magdeburg	Feb. 6	250,494	90	6							2	5		1
Do	Feb. 13	250,494	83	9							3	5		
Manchester	Feb. 20	655,435	292							5	4	1	11	1
Manzanillo	do	17,000	1											
Do	Feb. 27	17,000	2											
Matamoras	do	8,000	4	2										
Mexico	Jan. 30	400,000	467	32				5	15	1	31	3		5
Do	Feb. 6	400,000	502	30				14	25		20	3		6
Moncton, N. B.	Feb. 27	13,500	4											
Monterey	Feb. 28	100,000	49	4										
Montreal [a]	Jan. 16	378,856	136	14						10	3	3	3	1
Do	Jan. 23	378,856	177	17						15	1	6	7	1
Do	Jan. 30	378,856	145	17						4	2	3		
Do	Feb. 27	378,856	128	18						1	1	3	7	
Moscow	Feb. 6	1,335,104	853	118				4	10	6	16	22	10	3
Do	Feb. 13	1,335,104	849	98				3	12	5	20	13	13	5
Munich	Feb. 6	566,000	193	30								4	1	4
Do	Feb. 13	566,000	204	36						1	3	2	5	3
Nagasaki	Jan. 31	175,936	45									3		
Nantes	Feb. 14	161,908	84	17								1		
Newcastle-on-Tyne	Feb. 20	281,584	79							1		1	2	
Niuchwang	Feb. 6	60,000	9											
Nottingham	Feb. 13	260,000	93									2	2	1
Nuevo Laredo	Feb. 27	8,000	3	1										
Odessa	Feb. 13	467,000	206	34					1	1	7	6	2	1
Paris	do	2,776,394	1,080	219				1		4	4	5	6	5
Penang	Jan. 16	102,520	83	13						1				
Plymouth	Feb. 20	124,180	47										3	
Progreso	Feb. 13	5,000	1											
Do	Feb. 20	5,000	3	1										
Queenstown	do	7,909	5	1										
Rangoon	Jan. 30	252,155	181	7	21	1		2						
Rotterdam	Feb. 20	412,354	111											
St. John, N. B.	Mar. 6	40,711	10	1										
St Petersburg	Feb. 6	1,678,000	912	131		47		5	2	10	18	21	15	4
St. Stephen, N. B	Feb. 27	2,840	1											
Do	Mar. 6	2,810	2											
San Feliu de Guixols	Feb. 20	11,094	7											
Santa Cruz de Teneriffe	Feb. 13	46,000	14	2									1	
Santiago de Cuba	Feb. 27	45,497	24	4										
Shanghai	Jan. 23	565,000	108	17								1		
Southampton	Feb. 20	124,667	30											1
South Shields	Feb. 20	137,627	30	2							1	1		
Stettin	Feb. 13	230,000	79	4									1	
Do	Feb. 20	230,000	100	9							1	1		
Stockholm	Feb. 6	337,460	100	20								5		
Sunderland	Feb. 13	159,137	61	4						1			5	
Tegucigalpa	Feb. 15	24,000	10											
Do	Feb. 23	24,000	8											
Tientsin	Jan. 30	1,000,000	7	1				1						
Turin	Feb. 6	381,439	170	17						3		3	1	
Do	Feb. 13	381,439	174	15						3		3	1	

[a] Reported out of date.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Venice	Jan. 23	176,815	90	7	....	....	....	....	....	....	....	1	....	....
Do	Jan. 30	176,815	84	6	....	....	....	....	....	....	....	1	....	1
Veracruz	Feb. 20	32,000	27	6	....	....	....	....	....	....	....	....	....	....
Do	Feb. 27	32,000	32	....	....	....	....	....	....	....	....	....	....	....
Vevey	Feb. 6	14,000	3	....	....	....	....	....	....	....	....	....	....	....
Victoria, B. C.	Feb. 27	30,000	8	....	....	....	....	....	....	....	....	....	....	....
Vienna	Feb. 7	2,042,426	739	118	....	....	....	....	....	....	4	8	15	4
Warsaw	Jan. 9	751,595	310	60	....	....	....	1	1	1	8	2	2	1
West Hartlepool	Feb. 20	66,750	29	....	....	....	....	....	....	....	....	1	....	....
Yokohama	Feb. 8	378,884	....	....	....	....	....	....	....	....	....	1	....	....
Zurich	Feb. 20	180,000	46	8	....	....	....	....	....	....	1	4	....	....

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended March 13, 1909.

Sick inspected	3
Plague	0
Dead inspected	125
Plague	0
Premises inspected	2,403
Houses disinfected	74
Houses destroyed	1
Nuisances abated	331
Rats found dead	32
Rats trapped	2,213
Total rats taken	2,245
Rats identified:	
Mus norvegicus	1,506
Mus rattus	38
Mus musculus	687
Mus alexandrinus	7
Total	2,238
Rats identified as to sex	1,508
Male	707
Female	801
Rats examined bacteriologically	1,359
Plague rats	0
Ground squirrels trapped	4
Ground squirrels examined bacteriologically	4
Plague squirrels	0
Buildings condemned	4
Poisons placed	30,228

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OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended March 6, 1909.

Dead inspected	30
Plague	0
Premises inspected	47
Premises cleaned	12
Necropsies held	2
Garbage cans installed	8
Nuisances abated	15
Rats found dead	51
Rats trapped	504
Total rats taken	555
Mice trapped	82
Rats identified:	
Mus norvegicus	549
Mus rattus	5
Mus musculus	82
Mus alexandrinus	1
Total	637
Rats examined bacteriologically	549
Plague rats	0
Mice examined bacteriologically	82
Plague mice	0
Poisons placed	26,300

POINT RICHMOND, CAL.

Week ended March 6.

Sick inspected	2
Plague	0
Premises inspected	490
Nuisances abated	21
Rats found dead	14
Rats trapped	18
Total rats taken	32
Rats examined bacteriologically	17
Plague rats	0
Poisons placed	9,000

ALAMEDA COUNTY, CAL.

Week ended March 6.

Sick inspected	6
Plague	0
Dead inspected	51
Plague	0
Necropsies held	4

CONTRA COSTA COUNTY, CAL.

Week ended March 6.

Dead inspected	2
Plague	0
Ground squirrels shot	44
Ground squirrels examined bacteriologically	44
Plague squirrels	0
Ranches inspected	47
Ranches found free of squirrels	10
Ranches poisoning squirrels	37

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Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson, plague laboratory, reports, March 11:

Animals examined for plague in the laboratory in this city from February 22 to 28, inclusive:

Ground squirrels	37
Gray rats	339
Black rats	19
White rat	1

From March 1 to 7, inclusive:

Ground squirrels	42
Gray rats	340
Black rats	13
White rats	8
Gopher	1

None of these animals was found to be infected with plague.

Reports from Seattle, Wash.—Plague-prevention work—Summary of inspection and fumigation of vessels, month of February, 1909.

Passed Assistant Surgeon Glover reports March 8 and 12:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended March 6, 1909.

Plague-infected rats to date	21
Rats received	718
Rats necropsied	694
Plague rats	0
Vessels inspected	9
Vessels fumigated	5

Summary, Month of February, 1909.

During the month of February there were 59 vessels inspected and 8 vessels fumigated in connection with plague-prevention measures at Seattle.

Examination of rats for plague infection, month of February, 1909.

Assistant Surgeon Chapin, plague laboratory, reports, March 6, through Passed Assistant Surgeon Glover:

During the month of February, 1909, 2,872 rats were delivered at the laboratory and 2,729 were necropsied. No plague-infected rats were found. Of the necropsied rats 723 were females. One hundred and fourteen fleas were found upon 52 rats examined for this purpose.

The last plague rat was found September 26, 1908.

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STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*San Diego.*—Month of February, 1909. Estimated population, 42,500. Total number of deaths, 40, including 11 from tuberculosis. Cases: Scarlet fever 1, diphtheria 3, tuberculosis 2.

City and county of San Francisco.—Month of January, 1909. Estimated population, 475,000. Total number of deaths, 553, including enteric fever 3, scarlet fever 2, whooping cough 4, diphtheria 5, measles 1, and 77 from tuberculosis. Cases: Diphtheria 53, scarlet fever 47, smallpox 4, measles 272, whooping cough 37, enteric fever 13, and tuberculosis 121.

Los Angeles.—Month of February, 1909. Estimated population, 275,000. Total number of deaths reported, 366, including diphtheria 1, enteric fever 5, and 73 from tuberculosis. Cases of contagious diseases reported: Diphtheria 29, enteric fever 27, scarlet fever 57, measles 17, smallpox 4, and tuberculosis 42.

INDIANA—*Lafayette.*—Annual report for the year 1908. Estimated population, 23,000. Total number of deaths, 292, including enteric fever 5, whooping cough 3, measles 1, diphtheria 5, smallpox 1, and 36 from pulmonary tuberculosis. Cases: Whooping cough 10, enteric fever 8, diphtheria 24, smallpox 59, measles 56, scarlet fever 5, and pulmonary tuberculosis 11.

KANSAS—*Leavenworth.*—Months of January and February, 1909. Estimated population 22,000. Total number of deaths, 67, including enteric fever 1, and 2 from tuberculosis. Cases: Scarlet fever 3, diphtheria 6, enteric fever 6, tuberculosis 4, and measles 2.

LOUISIANA—*New Orleans.*—Month of February, 1909. Estimated population, 362,000 (265,000 white, 97,000 colored). Total number of deaths 557 (352 white, 205 colored), including enteric fever 8 (white), scarlet fever 8 (white), diphtheria 2 (white), and 73 from tuberculosis, of which 44 were white and 29 colored. The death rate per 1,000 of population per annum for the month was: White, 15.94; colored, 25.36; Total white and colored, 18.46.

MINNESOTA.—Month of November, 1908. Estimated population, 1,979,658. Reports to the state board of health show as follows: Total number of deaths, 1,504, including diphtheria 55, enteric fever 50, scarlet fever 8, whooping cough 5, and 152 from tuberculosis. Deaths reported from state institutions during the month numbered 27, including enteric fever 1, and 7 from tuberculosis.

MISSOURI—*Springfield.*—Month of February, 1909. Estimated population, 35,000. Total number of deaths, 36, including 6 from tuberculosis. Cases: Scarlet fever 6, diphtheria 2, smallpox 1.

NEW HAMPSHIRE—*Manchester.*—Month of February, 1909. Estimated population, 64,793. Total number of deaths, 121, including

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diphtheria 2, whooping cough 2, and 11 from tuberculosis. Cases: Diphtheria 30, enteric fever 1, and scarlet fever 7.

NEW JERSEY—*Paterson.*—Month of December, 1908. Estimated population, 116,492. Total number of deaths, 88, including diphtheria 1, scarlet fever 1, enteric fever 1, measles 1, and 4 from tuberculosis. Cases: Diphtheria 21, enteric fever 1, scarlet fever 25, and tuberculosis 19.

Month of January, 1909. Total number of deaths, 222, including diphtheria 2, scarlet fever 2, measles 1, and 21 from tuberculosis. Cases: Scarlet fever 30, diphtheria 19, enteric fever 2, and tuberculosis 44.

NEW YORK—*Auburn.*—Month of February, 1909. Estimated population, 40,000. Total number of deaths, 35, including 3 from tuberculosis. Cases of contagious diseases reported: Diphtheria 1, enteric fever 1, whooping cough 2, phthisis pulmonalis 10.

Lockport.—Month of February, 1909. Estimated population, 17,552. Total number of deaths, 19, including 2 from tuberculosis. Cases: Diphtheria 1, and enteric fever 15.

New York.—Month of January, 1909. Estimated population 8,546,356. Total number of deaths, 11,481, including enteric fever 101, measles 79, scarlet fever 132, whooping cough 31, diphtheria 251, and 1,336 from tuberculosis. Cases: Tuberculosis 3,739, diphtheria 2,406, scarlet fever 2,696, measles 4,366, enteric fever 515, and 63 from smallpox.

Yonkers.—Month of February, 1909. Estimated population, 72,200. Total number of deaths, 94, including scarlet fever 2, diphtheria 3, and 11 from tuberculosis. Cases: Scarlet fever 36, diphtheria 13, measles 154, and tuberculosis 15.

PENNSYLVANIA—*South Bethlehem.*—Month of February, 1909. Estimated population, 16,000. Total number of deaths, 31, including 1 from tuberculosis. Cases: Enteric fever 1, scarlet fever 1, measles 6, whooping cough 5, and tuberculosis 9.

SOUTH CAROLINA—*Charleston.*—Month of January, 1909. Estimated population, 65,000. Total number of deaths, 89, including enteric fever 2, and tuberculosis 13. Cases: Diphtheria 11, enteric fever 9, and scarlet fever 11.

Month of February, 1909. Total number of deaths, 83, including whooping cough 3, and 11 from tuberculosis. Cases: Enteric fever 4, scarlet fever 5, and diphtheria 4.

UTAH—*Salt Lake City.*—Month of February, 1909. Estimated population, 85,000. Total number of deaths, 92, including scarlet fever 2, whooping cough 1, diphtheria 3, and 3 from tuberculosis. Cases: Smallpox 85, scarlet fever 55, diphtheria 16, measles 7, whooping cough 43, and tuberculosis 1.

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VIRGINIA—*Newport News.*—Month of February, 1909. Estimated population, 28,749. Total number of deaths, 25, including 5 from tuberculosis. Cases: Diphtheria 6.

WASHINGTON—*Spokane.*—Month of February, 1909. Estimated population, 100,000. Total number of deaths, 99, including measles 2, scarlet fever 2, diphtheria 1, and 10 from tuberculosis. Cases: Smallpox 2, measles 113, scarlet fever 53, diphtheria 34, enteric fever 1, and tuberculosis 1.

Tacoma.—Months of December and January, 1909, estimated population 120,000. Total number of deaths, 136, including diphtheria 2, tuberculosis 13, and 2 from enteric fever.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to March 26, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Jan. 12–Feb. 6	7		
Montgomery	Mar. 13		1	
Tuscaloosa County	Feb. 6–Dec. 31	86		Year 1908.
Total for State		93	1	
Arkansas:				
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		108		
California, general	Nov. 1–Dec. 31		3	
Los Angeles	Dec. 6–Mar. 6	18		
Oakland	Nov. 1–Jan. 31	10		
Sacramento	Nov. 1–Dec. 31	24		
San Francisco	Dec. 13–Mar. 6	28		
Stockton	Nov. 1–30	12		
Total for State		92	3	
Colorado, general	July 1–Feb. 23	109		
District of Columbia:				
Washington	Dec. 28–Feb. 27	7		
Total for District		7		
Georgia:				
Cobb County	Jan. 16–Feb. 7	8		
Paulding County	Jan. 16–Feb. 7	15		
Total for State		23		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Feb. 27	211		
Thebes	Jan. 1–31	2		
Bureau County—				
Ladd	Nov. 1–30	4		
Christian County—				
Taylorville	Aug. 1–Jan. 20	40		
Clinton County—				
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–Mar. 20	9		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		
Fulton County—				
Canton	Jan. 1–31	38		
Cuba	Jan. 1–31	1		
Lewiston	Jan. 1–31	6		
Jackson County—				
Murphrysboro	Jan. 1–31	45	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–31	1		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–Mar. 13	4		
Lake County—				
Waukegan	Feb. 2–26	3		
McLean County—				
Bloomington	Jan. 1–31	5		
Macon County—				
Decatur	Jan. 1–31	8		
Macoupin County—				
Benld	Feb. 15–18	2		
Palmyra	Dec. 25–Jan. 20	4		
Scottsville	Dec. 25–Jan. 20	12		
Marion County—				
Centralia	July 1–Jan. 20	53		
Odin	Jan. 1–31	1		
Sandoval	Jan. 1–31	1		
Mason County	Jan. 1–31			Present in Havana and Quive townships.
Massac County—				
Metropolis	Jan. 1–31	1		
Mercer County	Jan. 1–31	1		In North Henderson township.
Montgomery County	Jan. 1–31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5–11	1		
Peoria County—				
Peoria	Dec. 20–Feb. 3	7		Present in Glasford and in Timber and Trivoli townships.
Pulaski County	Jan. 1–31			Present in Pulaski.
Mounds	Jan. 1–31	3		
Mound City	Jan. 1–31	7		
Randolph County—				
Percy	Jan. 1–31	1		
St. Clair County—				
Belleville	Dec. 4–20	3		Present in January.
Mascoutah	Jan. 1–31	1		
Millstadt		1		
Saline County—				
Eldorado	Jan. 1–31	1		
Sangamon County—				
Pawnee	Jan. 1–31	2		
Schuyler County—				
Browning	Oct. 12–Jan. 20	75		
Tazewell County	Jan. 1–31			Present in Elm Grove township.
Pekin	Jan. 1–31	28		
Vermilion County—				
Danville	Jan. 11–Mar. 7	11		
Williamson County—				
Carterville	Jan. 1–31	2		
Johnston City	Jan. 1–31	1		
Marion	Jan. 1–31	6		
Total for State		632	1	
Indiana:				
Allen County	Dec. 1–31	1		
Fort Wayne	Jan. 10–Feb. 6	4		
Bartholomew County	Dec. 1–31	1		
Benton County	Nov. 1–Dec. 31	4		
Boone County	Nov. 1–Dec. 31	2		
Carroll County	Oct. 1–31	26		
Clay County	Oct. 1–31	8		
Dearborn County	Oct. 1–31	1		
Delaware County	Dec. 1–31	52		
Elkhart County	Oct. 1–Nov. 30	7		
Elkhart	Jan. 17–Mar. 6	8		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-31	1		
Grant County	Dec. 1-31	2		
Union	Feb. 6	5		
Hamilton County	Dec. 1-31	1		
Harrison County	Dec. 1-31	1		
Hendricks County	Nov. 1-Dec. 31	5		
Madison County	Oct. 1-31	1		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-Feb. 28	5		
Miami County	Dec. 1-31	1		
Rush County	Dec. 1-31	24		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-31	1		
St. Joseph County	Dec. 1-31	12		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Dec. 31	77		
Lafayette	Dec. 15-Mar. 15	57	1	
Tipton County	Nov. 1-Dec. 31	2		
Vanderburg County—				
Evansville	Jan. 10-Feb. 20	10		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-31	7		
Wayne County	Nov. 1-30	8		
Total for State		351	1	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Council Bluffs	July 1-Feb. 28	32	2	
Dubuque	Oct. 1-Jan. 31	87	1	
Total for State		120	5	
Kansas:				
Atchison County—				
Atchison	Dec. 20-Jan. 16	2		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Dec. 31	45		
Crawford County—				
Pittsburg	Nov. 1-Dec. 31	107		
Franklin County	Dec. 1-31	1		
Harvey County	Nov. 1-Dec. 31	4		
Jackson County	Nov. 1-Dec. 31	95		
Jefferson County	Dec. 1-31	2		
Jewell County	Dec. 1-31	2		
Montgomery County	Nov. 1-Dec. 31	18		
Nemaha County	Dec. 1-31	2		
Phillips County	Dec. 1-31	2		
Pottawatomie County	Nov. 1-Dec. 31	36		
Pratt County	Dec. 1-31	20		
Reno County	Nov. 1-Dec. 31	3	1	
Riley County	Nov. 1-30	2		
Saline County	Nov. 1-Dec. 31	31		
Sedgwick County—				
Wichita	Mar. 7-13	2		
Shawnee County	Nov. 1-Dec. 31	6		
Topeka	June 7-Mar. 13	93		
Sheridan County	Dec. 1-31	9		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Dec. 31	7		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-Mar. 13	23		
Total for State		528	1	
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Covington	Dec. 29-Mar. 13	17		
Georgetown	Dec. 2-Mar. 4	31		
Henderson		7		Jan. 1-June 30, 1908.
Lexington	Dec. 28-Mar. 13	38		
Newport	July 1-Jan. 31	20	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24-Mar. 7	42		
Total for State		355	2	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Louisiana:				
Alexandria	Feb. 1-28	9		
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20-Mar. 6	23		
Shreveport	Jan. 1-20	32	1	
Total for State		94	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-Feb. 6	94		
Total for State		145		
Maryland:				
Baltimore	Jan. 30-Feb. 6	1		
Total for State		1		
Massachusetts:				
Haverhill	Mar. 14-20	1		
Lawrence	Mar. 7-13	1		
New Bedford	Jan. 30-Mar. 13	3		
Taunton	Jan. 3-9	1		
Total for State		6		
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31	1		
Ingham County—				
Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County—				
Grand Rapids	Jan. 24-Feb. 20	2		
Lapeer County	Dec. 1-31	2		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-Feb. 20	4		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Mar. 6	6		
Wexford County	Dec. 1-31	2		
Total for State		71		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 20-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Jan. 31	43		Mar. 1-Mar. 13, 13 cases.
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicolett County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec 7	2		
St. Paul	Oct. 6-Dec. 13	57		
Renville County	Dec. 1-7	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
St. Louis County—				
Duluth	Nov. 9-Jan. 22	3		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Saseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-30	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-Jan. 31	5		
Yellow Medicine County	Oct. 20-26	1		
Total for State		260		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-Mar. 13	9		
Liberty	Jan. 15-Feb. 15	20		
St. Joseph	Dec. 1-31	1		
St. Louis	Dec. 20-Mar. 6	16		
Springfield	Nov. 1-Feb. 28	3		
Total for State		49		
Montana:				
Cascade County	Nov. 1-30	4		
Flathead County	Nov. 1-30	1		
Gallatin County	Nov. 1-30	13		
Bozeman	Nov. 1-30	15		
Jefferson County	Nov. 1-30	4		
Ravalli County	Nov. 1-30	4		
Silverbow County	Nov. 1-30	5		
Butte	Dec. 2-Mar. 9	26		
Yellowstone County	Nov. 1-30	1		
Total for State		73		
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1-Jan. 31	7		
South Omaha	Dec. 20-Feb. 27	11		
Total for State		19		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
West Lebanon	Jan. 15-Feb. 7	2		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21-Mar. 6	3		
New Brunswick	Mar. 7-13	1		
Plainfield	Mar. 7-13	2		
Perth Amboy	Mar. 4-10	6		
Total for State		12		
New York, general	Nov. 1-Dec. 31	75	1	
Buffalo	Feb. 14-Mar. 6	3		
Mohawk Valley			1	Year 1908.
New York	Feb. 21-Mar. 13	2	1	
Niagara Falls	Feb. 7 13	1		
Rome	Jan. 1-31	1		
Schenectady	Feb. 7-13	1		
Syracuse	Jan. 9-31	3		
Total for State		86	3	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina:				
Ashe County	Jan. 1-31	7		
Bertie County	Nov. 1-30	1		
Camden County	Jan. 1-31	30		
Catawba County	Nov. 1-Dec. 31	4		
Currituck County	Nov. 1-Jan. 31	34		Present to Dec. 31.
Duplin County	Dec. 1-Jan. 31	60		
Edgecombe County	Dec. 1-31	1		
Johnston County	Nov. 1-Jan. 31	13		
Jones County	Jan. 1-31	3		
Lenoir County	Dec. 1-31	20		
Lincoln County	Dec. 1-31	1		
Madison County	Jan. 1-31	2		
Nash County	Jan. 1-31	1		
New Hanover County— Wilmington	Jan. 22-Mar. 1	4		Imported.
Pasquotank County	Nov. 1-Jan. 31	79		
Pitt County	Jan. 1-31	2		
Sampson County	Jan. 1-31	22		
Scotland County	Jan. 1 31	6		
Wayne County	Jan. 1-31	20		
Total for State		310		
North Dakota	July 1-Feb. 19	168		
Ohio, general	June 14-Jan. 2	337		
Cincinnati	Dec. 12-Mar 12	167	1	
Cleveland	Feb. 28-Mar. 5	2		
Columbus	Jan. 1-Mar. 6	4		
Dayton	Jan. 24-Feb. 20	5		
Newark		3		Year 1908.
Tiffin	Jan. 3-23	2		
Total for State		520	1	
Oregon:				
Clackamas County	Sept. 1-30	1		
Harney County	Sept. 1-30	1		
Jackson County	Oct. 1-Dec. 31	9		
Lane County	Dec. 1-31	10		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Dec. 31	4		
Multnomah County	Dec. 1-31	5		
Portland	Nov. 1-Jan. 31	76		
Polk County	Sept. 1-Dec. 31	9		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-Dec. 31	6		
Wallowa County	Oct. 1-31	1		
Washington County	Oct. 1-Dec. 31	23		
Yamhill County	Sept. 1-Dec. 31	17		
Total for State		168		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Castle	Feb. 1-28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 19-25	1		
Pittsburg	Dec. 13-19	1		Imported.
Prompton	Jan. 2-Feb. 10	3		
Total for State		11		
South Dakota:				
Aberdeen	May 1-Jan. 31	43		
Total for State		43		
Tennessee:				
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28-Mar. 13	17		
Memphis	Jan. 1-Mar. 6	126		
Nashville	Dec. 20-Mar. 20	41		
Polk County	Jan. 22	30		
Total for State		317		
Texas:				
Cost	Oct. 1-Dec. 19			Present.
Cotulla	Jan. 25-Feb. 17			Do.

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Texas—Continued.				
Denton County	Jan. 1–Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10–Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1–28	3		
Galveston	Mar. 6–12	1		
Goliad County	Dec. 1–Jan. 20	25		
Houston	Jan. 1–Mar. 6	4		
Laredo	Dec. 26–Mar. 6	5		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–Mar. 13	74		
San Augustine County	Jan. 5			Do.
Total for State		397	1	
Utah:				
Cache County	Jan. 1–31	41		
Davis County	Nov. 1–Jan. 31	26		
Garfield County	Dec. 1–Jan. 31	25		
Millard County	Jan. 1–31	1		
Salt Lake County	Dec. 1–Jan. 31	136		
Salt Lake City	Dec. 1–Feb. 28	272	1	
Sanpete County	Dec. 1–31	1		
Sevier County	Jan. 1–31	2		
Summit County	Dec. 1–Jan. 31	31		
Utah County	Dec. 1–31	1		
Weber County	Nov. 1–Jan. 31	3		
Total for State		539	1	
Vermont:				
Brattleboro	Dec. 5–Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October.
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Total for State		10		
Washington:				
Camas	Dec. 29–Mar. 8	18		
Seattle	Oct. 1–Feb. 28	18		
Spokane	Dec. 6–Feb. 20	10	1	
Tacoma	Dec. 14–Mar. 6	56		
Total for State		102	1	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville				Present in January.
Weston	Jan. 15–Feb. 13	1		
Total for State		2		
Wisconsin:				
Adams County	July 1–Sept. 30	3		
Barron County	July 1–Sept. 30	1		
Chippewa County	July 1–Sept. 30	6		
Dane County	July 1–Sept. 30	1		
Dodge County	July 1–Sept. 30	1		
Douglas County	July 1–Sept. 30	28		
Dunn County	July 1–Sept. 30	1		
Fond du Lac County	July 1–Sept. 30	3		
Green County	July 1–Sept. 30	2		
Iron County	July 1–Sept. 30	2		
Kewaunee County	July 1–Sept. 30	1		
La Crosse County, La Crosse.	Dec. 13–Mar. 13	36		
Milwaukee County—Milwaukee	Dec. 6–Mar. 13	134		
Manitowoc County, Manitowoc.	Dec. 13–Feb. 27	14		
Marathon County	July 1–Sept. 30	2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin—Continued.				
Monroe County	July 1–Sept. 30	12		
Outagamie County, Appleton.	Mar. 6–13	1		
Ozaukee County	July 1–Sept. 30	3		
Pierce County	July 1–Sept. 30	4		
Polk County	July 1–Sept. 30	1		
Rusk County	July 1–Sept. 30	3		
Sheboygan County	July 1–Sept. 30	32		
Total for State		391		
Grand total for the United States		6,329	22	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Allentown, Pa.	Feb. 6	35,416	20		1			8	1	2		2		1	
Do	Feb. 13	35,416	18		1	1		6		5	1			2	
Do	Feb. 20	35,416	21		4	5		7		9	2	1			
Do	Feb. 27	35,416	17			7	1	10		5	1				
Do	Mar. 6	35,416	22		2	8		8	1	2		1			
Do	Mar. 13	35,416	21	2	1			5		2	1				
Appleton, Wis.	do	15,085	4	2	2	1		1		1	1				
Ashtabula, Ohio	Mar. 6	12,949	12					1		1					
Do	Mar. 13	12,949	2							3					
Auburn, N. Y.[a]	Feb. 27	30,346	9	2	1	1									
Baltimore, Md.	Mar. 13	508,957	198	18	22	6	1	10		28	1	134		9	
Bath, Me.	do	10,477						2	1						
Bayonne, N. J.[b]	Feb. 20	32,722		2				8	1	9		7			
Do	Mar. 13	32,722						1		8		32		1	
Beaver Falls, Pa.	do	13,000				1									
Berkeley, Cal.	Mar. 6	13,214	6	1	1							1			1
Binghamton, N. Y.[c]	Mar. 13	38,647	17												
Boston, Mass.	do	560,892	277	38	28	6		59	3	47	7	76	5	10	3
Braddock, Pa.	do	15,654	8		1	3									
Bradford, Pa.	do	15,029	3					2							
Brockton, Mass.	do	40,063	11	1				1		1		151	1	13	
Butte, Mont.	Jan. 2	30,470	16	2	1			11	2	3					
Do	Jan. 9	30,470	13	2	3			8	1	1					
Do	Jan. 16	30,470	12		1	1		9		2		1			
Do	Jan. 23	30,470	13		2			8	2	2		1			
Do	Jan. 30	30,470	11					4	1	3					
Do	Mar. 9	30,470	9	1	4			5		1					
Cambridge, Mass.	Mar. 13	91,886	23	9	4			2	1	9	1	11			
Camden, N. J.	do	75,935	34	3				8		1					
Camden, S. C.	do	2,441						1				2			
Carbondale, Pa.	do	13,536	3												
Charlotte, N. C.	Mar. 12	18,091	5												
Chelsea, Mass.	Mar. 13	34,072	15		1		1	8		5		1			
Chicago, Ill.	do	1,698,575	654	99	88	65	10	154	7	121	18	111		13	
Chicopee, Mass.	do	19,167	7												
Cleveland, Ohio	Mar. 12	381,768	143	23	18	4	2	21	1	27		18		30	1
Clinton, Mass.	Mar. 13	13,667	3	1	1										
Columbus, Ga.	do	17,614	3												
Columbus, Ohio	do	125,560	67	10	11	2	1	3				6		1	
Concord, N. H.	Mar. 6	19,632	13	1	1	1						8			
Covington, Ky.	Mar. 13	42,938	14		6			3							
Danville, Ill.	Mar. 14	16,534	10		1			2		2					
Davenport, Iowa	Mar. 6	35,254		3		1		1		2		4		1	
Dayton, Ohio	Mar. 13	85,333	40		1		1	4				7			

[a] Previous report corrected. [b] Reported out of date. [c] Four deaths reported from state hospital.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever		Diphtheria		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Detroit, Mich	Mar. 13	285,704	136					5		9					
Duluth, Minn	Mar. 11	80,000		1	5			7	1	6					
Dunkirk, N. Y	Mar. 13	11,616	1			1				1		1		5	
Elmira, N. Y	...do	35,672	10	8	2					1		2			
El Paso, Tex	Mar. 9	15,905	28		7	1		1		2		2			
Elkhart, Ind	Mar. 13	15,184	3			1	1					4			
Erie, Pa	...do	52,733	24	5	2	2	1	2				1		14	1
Evansville, Ind	...do	59,007	25	1	4									1	
Everett, Mass	...do	24,336	8	2				7							
Fall River, Mass	...do	104,863	40	1	1			3		2		5			
Findlay, Ohio	Mar. 13	17,613	7		1					2					
Fort Wayne, Ind	...do	45,115	16							1		1			
Glens Falls, N. Y	...do	13,543	3		1	1				1		2			
Gloucester, Mass	...do	26,121	5												
Grand Rapids, Mich	...do	87,565	36		2	3		25		1		4		3	
Great Falls, Mont	...do	14,930	6			2	1	8		1	1				
Greenville, S. C	Feb. 27	11,860	4					1							
Hammond, Ind	Mar. 13	12,376			1	1						1			
Harrison, N. J	...do	10,596	4	1	1			1		2					
Haverhill, Mass	...do	37,175	14	2	2					4					
Hoboken, N. J	...do	59,364						8		4				1	
Homestead, Pa	Mar. 14	12,554	8		1	1		3				19	2		
Indianapolis, Ind	...do	169,164	68		12	3		5		6	1	43			
Jacksonville, Fla	Mar. 13	28,429	25		5	2				1					
Jersey City, N. J	Mar. 14	206,433	91		12			18	5	12	9	39		1	1
Johnstown, Pa	Mar. 13	35,936	19			1		18	2	1		14			
Kalamazoo, Mich	Mar. 6	24,404	13									1		1	
Do	Mar. 13	24,404	13		1	1						3			
Kearny, N. J	...do	10,896	4	3				1			1				
Kingston, N. Y	...do	24,535	5		1										
Lancaster, Pa	Mar. 12	41,459	9		2			6				1			
Leavenworth, Kans	Mar. 6	20,733	13	2		1		1							
Do	Mar. 13	20,733	7	1	1					2					
Little Falls, N. Y	...do	10,381	1												
Lowell, Mass	...do	94,969	29		2	2		4		2		5			
Lynchburg, Va	...do	18,891						1		2					
Lynn, Mass	...do	68,513	36	1	4			4	1	2		4			
Macon, Ga	Mar. 14	22,746		2	2							1		4	1
Malden, Mass	Mar. 13	33,664	10	3			1	4	1	4	1	12			
Manchester, N. H	...do	56,987	24	3	3	1		5		6					
Manitowoc, Wis	...do	11,786	5	1	1			3				10			
Marinette, Wis	...do	16,195	3			2		3							
Marion, Ind	...do	17,337	3					1				1			
Marlboro, Mass	...do	13,609	5	2				1							
Massillon, Ohio	...do	11,944	6												
Medford, Mass	...do	18,244	10	2				1				2			
Melrose, Mass	...do	12,962	1	2				2		1				6	
Memphis, Tenn	Mar. 6	102,320	44		2			6		1	1				
Do	Mar. 13	102,320	42		1			5	1	3					
Mobile, Ala	Mar. 6	38,469	22		3										
Montclair, N. J	Mar. 13	13,982	7	2	1			2				11			
Montgomery, Ala	Mar. 12	30,346	15		2										1
Moline, Ill	Mar. 14	17,248	4					4	1			19	1		
Morristown, N. J	Mar. 13	13,000	10			1									
Muncie, Ind	...do	20,942	5	1				2				5		3	
Nanticoke, Pa	Mar. 14	12,616	4							1		3			
Nashville, Tenn	Mar. 13	80,865	34		4					1					
Nebraska City, Nebr	...do	7,200	2												
Newark, N. J	Feb. 27	246,070	119		25	3	1	45	2	24	4		1		
Do	Mar. 13	246,070	111		14	4		61	3	31	1				2
New Bedford, Mass	...do	63,442	37	7	7			1		1		3		6	
Newburyport, Mass	...do	14,478	10		1					1					
New London, Conn	...do	17,548	5												
Newton, Mass	Mar. 13	33,587	6					3		5		4			
Niagara Falls, N. Y	...do	19,457	14		1	6	1	3		1		3			
Norristown, Pa	...do	22,265	13	6	2	1						5			
North Adams, Mass	...do	24,200	7	1	2			3							
Northampton, Mass	...do	18,643	15					1				19		4	
Oklahoma City, Okla.	Mar.	43,500	13		1	3				2	1				
Do	Mar. 13	43,500	15		1			1							
Orange, N. J	Mar. 15	24,141	7	2				2		3	1				

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Ottumwa, Iowa	Mar. 13	18,197	4	1						1					
Palmer, Mass	do	7,801	2			1									
Passaic, N. J	do	27,777	15							3	1	1		1	
Peekskill, N. Y	Mar. 6	10,358	2							1					
Do	Mar 13	10,358	6					1							
Philadelphia, Pa	Mar. 6	1,293,697	500	136	64	45	7	72	4	75	12	207	4	32	1
Pittsburg, Pa	do	321,616	170	30	25	24	1	25	1	16	3	32	1	21	5
Do	Mar. 13	321,616	163	36	14	15	8	16		4		45		16	
Pittsfield, Mass	do	21,766	10	1	2			2							
Plymouth, Pa	do	13,649		2				1		2		1			
Portsmouth, Va	Mar. 16	17,427	1					1							
Providence, R. I	Mar. 13	175,597	86	11	8	1		7		8		1			
Racine, Wis	do	29,102	4					1							
Reading, Pa	Mar. 15	78,961	31	6	3	3	1	2				1		5	
Richmond, Va	Mar. 13	85,050	53	10	4	2								2	
Rockford, Ill	do	31,051						2		2					
Rock Island, Ill	Mar. 13	19,493	21		2		2	1							
Rutland, Vt	Mar. 6	11,499	4					1							
Do	Mar. 13	11,499	4									2			
Saginaw, Mich	Mar. 6	42,345	17	1	1			4		1		10			
Do	Mar. 13	42,345	16	2	2			2		9					
St. Joseph, Mo	Mar. 6	102,979	17	1	4							1			
St. Louis, Mo	Mar. 13	575,238	233	29	20	4	3	27		38	5	216	5	10	
San Antonio, Tex	do	53,321								1		1			
San Francisco, Cal	Mar. 6	342,782	117	51	19	5	1	9		23	2	109	6	9	2
Schenectady, N. Y	Mar. 13	31,682	14	10	3			4	1	1		1			
Shamokin, Pa	do	18,202	3	2				3		2	2	35	1		
Somerville, Mass	do	61,643	18	1	1			4		2	1	9			1
South Bend, Ind	do	35,999	13					1				3			
South Bethlehem, Pa	Mar. 8	13,241	5			1				2	2		2		1
Do	Mar. 15	13,241	10	2	1	2	1	2				5		1	1
South Omaha, Nebr	Mar. 6	26,001								3					
Spokane, Wash	do	38,848	19		2	2		18	1	6		34	1		
Springfield, Ill	Mar. 12	34,159	21					1		2					
Springfield, Mass	Mar. 13	62,059	30			1				6	1	6		5	
Springfield, Ohio	do	38,253	13	4	1										
Steelton, Pa	do	12,068	2												
Tacoma, Wash	Jan. 24	37,714	23	1				3		1		1			
Taunton, Mass	Mar. 13	31,036	10	1	1					1					
Terre Haute, Ind	do	36,673	16		1					1	1				
Topeka, Kans	Mar. 6	33,608	13		3	1	1	1		2					
Do	Mar. 13	33,608	19		3	1	1			1		1			
Trenton, N. J	do	73,307		6	4	4		3		1					
Waltham, Mass	do	23,481	13	1	3			6				10			
Washington, D. C	do	278,718	131	48	18	5	1	9		9		490	4	16	
Wheeling, W. Va	do	38,878	17		3	4	1			1		6	1		
Wichita, Kans	Mar. 6	24,671						1		1					
Wilkes-Barre, Pa	Mar. 12	51,721	24	10	3	1		1		5		62		5	
Wilkinsburg, Pa	Mar. 14	13,000	5	1				1		1		3			
Williamsport, Pa	Mar. 13	28,757	3					2		2					
Wilmington, Del	do	76,508	35		1				2						1
Winona, Minn	Mar. 16	19,714	5												
Woburn, Mass	Mar. 13	14,254	7	1						1					
Worcester, Mass	Mar. 6	118,421	37	7	5	1		8	1	6					
York, Pa	Mar. 13	33,708		9		1		5		4		1			

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FOREIGN AND INSULAR.

AUSTRALIA.

Report from Brisbane—Examination of rodents for plague infection—Laboratory plague in animals at Mackay.

The following information is taken from plague bulletins received from the Department of Public Health of Queensland:

Date of finding of last plague-infected rat, September 15, 1908.

Week ended January 30, 1909. Rodents destroyed, 540; examined, 447; plague rodents, 0. Week ended February 6. Rodents destroyed, 684; examined, 600; plague rodents, 0.

Week ended February 13. Rodents destroyed, 580; examined 482; plague rodents, 0.

Mackay.—On January 21 a man carrying on business at Mackay died in the local hospital. Post-mortem specimens obtained from the cadaver and forwarded to Brisbane, on preliminary bacteriological examination were found to be negative of plague. A guinea pig and mouse, however, were inoculated in the usual way, and on February 2 the government bacteriologist reported that the animals had died (6 days after inoculation) with typical post-mortem appearances of plague. An active search for rats is being conducted and all precautions taken at Mackay.

BARBADOS.

Reports from Bridgetown—Status of yellow fever.

Consul Martin reports, February 25 and March 5: Since February 16, 7 more cases of yellow fever have been reported to this consulate, all in the country parishes. Five of these cases were colored persons, and all were native born. None are reported as having terminated fatally.

There have been reported, since December 12, 52 cases, 16 being fatal.

March 5: Since February 25 there have been only 2 cases of yellow fever reported. One occurred in a colored boy in an outlying district, the other in a white man in the city of Bridgetown. A case has occurred at Speightstown, on the west coast, 12 miles north of Bridgetown, the first to occur in that parish. The disease is abating. Official information states that 25 of the first 52 cases were fatal.

Sir Rupert Boyce, of England, arrived in the colony March 1. He saw a case on the next day and at once pronounced it yellow fever.

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He sees no difficulty in stamping it out by destroying the mosquitoes. He approves of the sanitary measures already taken by the authorities, and more efficient action is being used to eradicate the source of infection.

BRAZIL.

Reports from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox.

Acting Assistant Surgeon Stewart reports, February 10 and 18:

Period from January 18 to February 10. Vessels inspected and received bills of health for United States ports: January 19 the German steamship *Gunther*, for New York, in coffee cargo, with no passengers from this port and no change in the crew personnel; January 22 the British steamship *Cervantes*, for New York, with coffee, no passengers and 2 new members of the crew signed on in this port; on January 23 the American barge *Clatsop*, in ballast, with no change in crew at this port and bound for Portland, Oreg.; on the same date the British steamship *Castillian Prince*, for New York, in coffee cargo, with no passengers, and no change in crew here; on January 26, for Honolulu, the American ship *Dirigo*, with cargo of coal in transit, no passengers and 12 new members of the crew taken here; January 26 the British steamship *Virgil*, for New Orleans, in coffee, no passengers and no change in the crew; on the same date the British steamship *Black Prince*, for New Orleans, in cargo of coffee, no passengers and no change in the crew; on January 27 the Belgian steamship *Cavour*, for New York, in cargo, with no passengers and 1 new member of crew taken on in this port; on January 28 the British steamship *Pontiac*, for New York, in coffee cargo, with no passengers and with no change in the crew here; January 30 the Brazilian steamship *Goyaz*, for New York, with coffee and miscellaneous cargo for coast ports, and with a new crew taken on here, all of whom were vaccinated, and with 34 cabin and 78 steerage passengers; February 2 the British steamship *Saxon Prince*, for New York, in coffee cargo, with no passengers and no change in crew; on the same date the Norwegian bark *Vaar*, for Port Arthur, Tex., in stone ballast, with no passengers and no change in the crew; February 3 the British steamship *Byron*, for New York, with coffee cargo, no change in crew and with 13 first-class and 12 steerage passengers, and on the same date the British steamship *St. Ursula*, bound for New York, putting in here for coal only, with no passengers and no change in crew and no communication other than with coal barge.

No other vessels left during the period under report bound for United States ports.

Week ended February 18. No transactions.

Mortality, week ended January 24.—Total deaths, 291. No deaths nor cases caused by yellow fever. Plague caused no deaths, but there were 6 new cases reported. Smallpox caused 34 new deaths and 34 new reported cases, of which number 11 were in the suburban zone. At the close of the week there were in the Hospital São Sebastião 67 cases of smallpox and 9 cases of plague under treatment; in the Hospital Engenho do Dentro, 18 cases of smallpox under

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treatment; in the Hospital Paula Candido, 2 convalescent cases of smallpox.

Week ended January 31.—Total deaths, 321. No cases nor deaths due to yellow fever, and only 1 death due to plague. Smallpox caused 17 deaths, with 27 new reported cases, of which number 4 were in the suburban zone. At the close of the week there were in Hospital São Sebastião 48 cases of smallpox and 5 cases of plague, and in the Hospital Engenho do Dentro 18 cases of smallpox under treatment. There was 1 convalescent case in the Hospital Paula Candido.

Week ended February 7.—Total deaths during the week, 278. No deaths nor cases due to yellow fever. Smallpox caused 13 deaths, with 31 new reported cases, of which number 7 were in the suburban zone. Plague caused 1 death, with 3 new reported cases. At the close of the week there were in the Hospital São Sebastião 43 cases of smallpox and 5 cases of plague under treatment; in the Hospital Engenho do Dentro, 13 cases of smallpox under treatment.

Week ended February 14.—Total deaths, 354. Plague caused 1 death, with 4 new reported cases. Smallpox caused 18 deaths, with 29 new reported cases, of which number 3 belonged to the suburban zone. At the close of the week there were in the Hospital São Sebastião 42 cases of smallpox and 3 cases of plague under treatment, and at the Hospital Engenho do Dentro 7 cases of smallpox under treatment.

BRITISH GUIANA.

Report from Georgetown—Parimaribo, Dutch Guiana, declared free from yellow fever.

Consul Clare reports, February 13:

The consular agent at Paramaribo writes under date of February 10 that the governor of Dutch Guiana informs him officially that Paramaribo is now free of any quarantinable diseases, no new cases of yellow fever having occurred since January 18.

Clean bills of health are now being issued by the local authorities and the foreign consuls.

CHINA.

Reports from Hongkong—Quarantine restrictions—Cholera, plague, and smallpox—Inspection of vessels—Examination of emigrants.

Acting Assistant Surgeon Hough reports, February 8:

Restrictions enforced by and against Hongkong remain as reported December 26, 1908.

Quarantinable diseases.—Week ended January 2, 1909: Cholera, 1 case, 1 death; plague, 1 case, 1 death; January 9: Smallpox, 2 cases, 2 deaths; January 16: Cholera, 1 case, 1 death; January 23: Smallpox, 1 case.

Inspection of vessels.—Week ended January 2, 7; January 9, 6; January 16, 5; January 23, 7.

Aliens examined for Honolulu and Pacific coast ports.—Week ended January 2: Examined, 0; rejected, 0; January 9: Examined, 80; rejected, 15; January 16: Examined 167; rejected, 18; January 23: Examined, 2; rejected, 0.

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Aliens examined for Philippine Islands.—Week ended January 2: Examined, 10; rejected, 2; January 9: Examined, 7; rejected, 5; January 16: Examined, 8; rejected, 3; January 23: Examined, 4; rejected, 1.

Report from Shanghai—Inspection of vessels—Examination of emigrant—Plague in rats—Measures recommended.

Acting Assistant Surgeon Ransom reports, February 9:

During the week ended February 6, 3 supplemental and 1 original bill of health were issued to 3 steamships with an aggregate personnel of 633. There were inspected 3 vessels, 211 members of crews and 4 steerage passengers, and manifests were viséed for 3,419 pieces of freight. One emigrant for San Francisco was examined and passed.

Infected rats continue to be found in all sections of the city, but no human cases have been officially reported. It is stated by the French municipality that no plague infected rats have been found there.

Circulars have been sent out in the French concession cautioning inhabitants both native and foreign as to the necessity for and method of collecting dead rats, and squads of coolies are employed to perform this work.

Tientsin reports show 4 cases and 1 death from smallpox. The report is for the British and Japanese concessions only.

CUBA.

Reports from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, March 8 and 15:

Week ended March 7.

Vessels inspected	9
Bills of health issued	9
Members of crews inspected	292
Passenger inspected (in transit)	1

No quarantinable diseases were reported during the week.

Week ended March 13.

Vessels inspected	5
Bills of health issued	5
Members of crews inspected	142
Passengers inspected	84
Passengers landed	28

No quarantinable diseases were reported.

Report from Habana—Inspection of vessels—Quarantine against Mexican ports continued.

Passed Assistant Surgeon Amesse reports, March 15:

Week ended March 13.

Vessels inspected	23
Bills of health issued	26
Members of crews of outgoing vessels inspected	1,257
Passengers of outgoing vessels inspected	1,582

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No cases of quarantinable disease have been reported in Cuba during the week. The quarantine against all Mexican ports continues.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, March 15:

Week ended March 13. Bills of health issued to 3 vessels clearing for United States ports in good sanitary condition. No quarantinable diseases were reported in this district during the week.

Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, March 9:

Week ended March 6. Bills of health issued to 4 vessels bound for the United States. No quarantinable disease reported.

ECUADOR.

Reports from Guayaquil—Inspection and fumigation of vessels—Plague and yellow fever—Plague and plague measures in interior towns.

Passed Assistant Surgeon Wightman reports, February 15 and March 1, through Passed Assistant Surgeon Lloyd:

During the 4 weeks ended February 6, bills of health were issued to 7 steamships, of which 5 were fumigated.

Quarantinable diseases were reported in Guayaquil as follows: Week ended January 16, 1 death from yellow fever, 2 deaths from plague; week ended January 23, 8 deaths from plague; week ended January 30, 2 deaths from yellow fever, 4 deaths from plague; week ended February 6, 7 deaths from yellow fever, 3 deaths from plague.

A case of plague occurred in Milagro January 18. The house in which it occurred was torn down and reconstructed and useless material burned. No further cases have been reported.

There have been 3 new cases of plague in Babahoyo, all from the same house. This house was burned.

Tolte, the Indian village reported as plague infected, has remained free from that disease since measures were instituted by the public health service of Ecuador, but 7 cases have occurred in the neighboring village of Nisag, about 5 miles from Tolte. The roofs are being removed from the infected houses and their interior surfaces burned over. As they are built of stone and adobe the damage resulting from this process is but slight.

A few cases of smallpox have appeared in Guamote, a village on the railroad somewhat over 100 miles from Guayaquil.

March 1. During the 2 weeks ended February 20, 4 steamships were fumigated.

As the rainy season progresses plague shows a disposition to increase. It was during the same season last year that the first cases of the disease were discovered. February 25 there were 32 cases in the lazaretto. The total mortality, however, is considerably less than at the corresponding period of last year. For the week ended February 13, 61 deaths from all causes were recorded for Guayaquil, of which number 6 resulted from plague and 4 from yellow fever. For

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the week ended February 20, a total of 71 deaths was recorded, 3 being due to plague and 3 to yellow fever. No death from other quarantinable disease was reported.

GERMANY.

Report from Leipzig—Malaria—Measures for the extermination of mosquitoes.

Consul Warner reports, February 16:

Many cases of malaria having recently occurred in sections of Leipzig adjacent to the four small streams which flow through the city, the city council has decided to adopt stringent measures to exterminate the mosquitoes (*Anopheles*) that spread the disease.

In order that the work of extermination may be thoroughly and systematically carried out, the city council has notified all householders in the infected sections of the city to carefully examine their houses or apartments for mosquitoes and to destroy any that may be found. Every household in the districts concerned has been furnished by the council with a circular, which, in addition to information as to the cause and spread of malaria, contains advice as to the best means of destroying the malaria mosquitoes. Certain dates have been specified between which the houses are to be searched and the mosquitoes destroyed. At the expiration of the time specified, inspectors appointed by the council will visit each house and apartment and make careful examinations to see that the work of exterminating mosquitoes has been properly carried out. Those who fail to comply with the regulations promptly and thoroughly will be subject to a fine.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples.

Assistant Surgeon Wollenberg reports, March 2:

Vessels inspected at Naples and Palermo, week ended February 27.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Feb. 21	Antonio Lopez	New York	766	30	850
23	Taormina	Philadelphia	1,794	70	2,100
24	Deutschland	New York	219	15	320
24	Romanic	Boston	1,004	90	1,450
25	Principe di Piemonte	New York	993	80	1,580
25	Italia	do	508	30	750
26	Neckar	do	1,704	80	2,450
	Total		6,988	365	9,560

PALERMO.

Feb. 26	Principe di Piemonte	New York	589	573	350
27	Italia	do	570	546	319
	Total		1,159	1,119	669

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Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Feb. 21	Antonio Lopez	16	3	7	.....	5	31
23	Taormina	25	5	20	.....	10	60
24	Deutschland	7	1	3	.....	.....	11
24	Romanic	13	6	18	.....	4	41
25	Principe di Piemonte	20	2	2	.....	9	33
25	Italia	8	1	3	.....	2	14
26	Neckar	23	4	17	.....	8	52
	Total	112	22	70	.....	38	242

PALERMO.

Feb. 26	Principe di Piemonte	21	.....	26	.....	2	49
27	Italia	21	.....	21	.....	1	43
	Total	42	.....	47	.....	3	92

Smallpox in Naples.—During the week ended February 28, 20 cases of smallpox with 3 deaths were reported at the health office of the city of Naples.

JAPAN.

Report from Yokohama—Examination of emigrants.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Nippon Maru*, February 20: For San Francisco recommended for rejection, 1; held for observation, 1. For Honolulu, held for observation, 4.

Per steamship *Siberia*, February 27: For Honolulu, 1; held for observation, 3. For San Francisco, 2 held for observation.

Rejections and detentions were for trachoma.

Reports from Kobe—Inspection of vessels—Examination and disinfection of emigrants—Plague in rats and rat fleas—Smallpox.

Acting Assistant Surgeon Knight reports, February 16 and 23:

Week ended February 13. Supplemental bills of health granted to 4 steamships.

Fifty-three members of crews and 111 steerage passengers were inspected. Forty members of crews and 45 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 187, and of bedding 96. Manifests were viséed for 52,394 pieces of freight, amounting to 4,872 tons.

Emigrants were examined as follows: Steamship *Korea*, for Honolulu, passed 28, recommended for rejection 14; steamship *Korea*, for San Francisco, passed 2, recommended for rejection 3; steamship *Aki Maru*, for Seattle, passed 15, recommended for rejection 5.

The official returns for the week show plague found in rats and rat fleas in Kobe.

During the week ended February 20 supplemental bills of health were granted to 2 steamships.

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There were inspected 91 members of crews and 53 steerage passengers. Eighteen steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 46, and of bedding 36. Manifests were viséed for 9,567 pieces of freight, amounting to 1,371 tons.

Emigrants were examined as follows:

Steamship *Nippon Maru*, for Honolulu, passed 14, recommended for rejection 14; and steamship *Nippon Maru*, for San Francisco, passed 4, recommended for rejection 1.

The official returns of infectious diseases for the week show smallpox 4 cases and 1 death. It will be noticed that smallpox is reported for the first time since the disappearance of the epidemic last year. Three of these cases, however, are Hindus, members of the crew of a vessel recently visiting Kobe, while the fourth is a Japanese child.

Report from Nagasaki—Examination of emigrants.

Sanitary Inspector Bowie reports, February 13:

Number of emigrants per steamship *Nippon Maru* recommended for rejection: For Honolulu, 2; for San Francisco, 1.

MEXICO.

Report from Mexico City—Yellow fever in vicinity of Merida.

The following is received from the acting president of the superior board of health of Mexico, under date of March 16:

During the week ended March 13, 1 case, 1 death, of yellow fever occurred at San Bernardo plantation 9 kilometers distant from Merida.

Reports from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports, March 11:

Week ended March 10: Two steamships were inspected and granted bills of health. No cases of quarantinable disease have been reported.

Summary of transactions of service, December 16, 1908–February 24, 1909, inclusive.

Acting Assistant Surgeon Thompson reports, March 6:

Week ended December 16, 1908: Two vessels inspected. December 23, 1908, one vessel inspected. December 30, 1908, three vessels inspected; January 6, 1909, two vessels inspected; January 13, one vessel inspected; January 20, two vessels inspected; January 27, five vessels inspected; February 3, transactions published in Public Health Reports, February 19, page 214; February 10, two vessels inspected; February 17, one vessel inspected; February 24, two vessels inspected.

No unfavorable sanitary conditions were reported for any of these vessels.

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PERU.

Reports from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Plague at Callao—Smallpox at Lima—Plague at Iquique, Chile.

Acting Assistant Surgeon Gutierrez reports, February 18:

During the week ended February 6, 4 vessels were fumigated. They carried an aggregate personnel of 170 in the crew, and 97 cabin and 53 steerage passengers. One member of the crew from the British steamship *Coya* died at Callao from plague.

During the week ended February 13 bills of health were granted to 10 vessels of the United States Pacific fleet and 2 merchant vessels; the former were passed on statement of their medical officers and the latter fumigated prior to sailing. The merchant vessels carried an aggregate personnel of 113 in the crew, and 63 cabin and 52 steerage passengers.

The following is the latest report on plague in Peru received from the Director de Salubridad Pública:

Locality.	Cases January 29.	New.	Recovered.	Died.	Remaining February 4.
Lima	6	5	1	3	7
Callao	5	4		2	7
Chorrillos	1			1	
Trujillo (city)	39	4	5	2	43
Trujillo (country)		7			
Chepen	4	4	(*)	*1	*3
San Pedro	6	1	2	1	4
Ferreñafe	1		1		
Chiclayo		6		3	3
Mollendo	2	1			3
Motupe	2		2		
Catacaos	1				1
Chota	12	6	2	5	11
Zaña	2				2
Surco (Matucana)		15	(*)	*9	4
Jayanca		12			12
Casma		1		1	

The figures with the sign (*) have been miswired. Three plague patients ran away from the lazaretto at Chepen. There were 3 cases of smallpox in the lazaretto at Lima February 4. No cases of smallpox have been reported in Callao.

Since February 5, 4 cases of plague with 2 deaths have occurred at Callao.

Bills of health report plague in Chile as follows: February 1, 12 cases in the lazaretto at Iquique; 6 cases and 2 deaths in 2 weeks

PHILIPPINE ISLANDS.

Reports from Manila—Smallpox—Cholera in the Provinces—Inspection of vessels.

Chief Quarantine Officer Heiser reports, January 27 and February 2 and 9:

Week ended January 23. Six cases of smallpox with 4 deaths were reported for the city of Manila.

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Cases and deaths from cholera occurring in the provinces of the Philippines during the week under report:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Rizal	22	15	Laguna	8	4
Bohol	12	9	Leyte	11	2
Capiz	81	40	Samar	2	.....
Cavite	1	1	Sorsogon	15	11
Cebu	2	1			
Pampanga	2	.....	Total	156	83

During the week consular bills of health were issued at the port of Manila as follows: January 18, the British steamship *Frankly*, with 40 in the crew and with one passenger, en route from New Castle to Zamboanga, was granted a supplemental bill of health. January 20, the British steamship *Keemun*, with 89 in the crew, en route from Liverpool to Seattle and Tacoma, was granted a supplemental bill of health after the usual inspection of cargo and personnel.

Week ended January 30. One case of smallpox with 1 death was reported for the city of Manila.

Provincial cholera cases and deaths reported to the bureau of health during the week:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Rizal	2	2	Isabela	2	.....
Bulacan	7	3	Pampanga	8	7
Bohol	29	13	Laguna	1	1
Capiz	33	21	Samar	4	2
Cavite	1	1	Sorsogon	6	6
Cebu	1	1			
Leyte	2	1	Total	96	58

January 25, the British steamship *Benledi*, with 42 in the crew, en route from Yokohama to Cebu, was granted a supplemental bill of health after the usual inspection.

Week ended February 6. Three cases of smallpox with no deaths were reported for the city of Manila.

Provincial cholera cases and deaths reported to the bureau of health during the week:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Bohol	4	3	Samar	6	3
Capiz	59	37	Sorsogon	25	19
Cebu	1	1			
Pampanga	22	9	Total	119	73
Laguna	2	1			

During the week consular bills of health were issued at the port of Manila as follows:

February 2 the British steamship *Changsha*, with 73 in the crew and with 41 passengers, en route from Hongkong to Zamboanga, was granted a supplemental bill of health. February 5 the British steamship *Atholl*, with 45 in the crew, was granted a bill of health for New York. The holds and storerooms were fumigated with sulphur. All persons on board were inspected at the hour of departure.

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PORTO RICO.

Report from Ponce—Transactions of service, month of February, 1909.

Acting Assistant Surgeon Ferrer-Torres reports, March 2, through Chief Quarantine Officer Grubbs:

Vessels inspected	16
Vessels disinfected	2
Vessels in quarantine	6
Passengers for Ponce:	
Incoming	150
In transit	766
Passengers in quarantine	27
Immigrants inspected	31
Rejections	0
Bills of health issued	36
Pieces of baggage disinfected	21

RUSSIA.

Report from Libau—Status of cholera in Russia—Examination of emigrants.

Acting Assistant Surgeon De Forrest reports, March 5:

Reports of the status of cholera in Russia show for St. Petersburg from March 1 to 5, March 3 not included, 50 cases and 19 deaths; for Jaroslav from the beginning of the epidemic to March 1, 43 cases and 18 deaths. New cases and deaths were reported at Jaroslav and Rubinsk March 1.

The steamship *Lituania* sailed March 5. Five days previous to the sailing of the vessel 1,199 emigrants were examined. Of this number 928, the full number which the vessel could accommodate, sailed. They were reexamined on the day of sailing.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Transvaal—Johannesburg.*—Two weeks ended February 6, 1909. Estimated population, 180,687. Total number of deaths, 122, including enteric fever 11, and 19 from tuberculosis.

AUSTRALIA—*Queensland—Brisbane.*—Month of December, 1908. Estimated population, 135,665. Total number of deaths, 145, including enteric fever 6, measles 1, and 13 from tuberculosis.

Month of January, 1909. Total number of deaths, 112, including enteric fever 3, diphtheria 1, and 10 from tuberculosis.

Sydney.—Month of December, 1908. Estimated population, 577,180. Total number of deaths, 531, including enteric fever 7, scarlet fever 1, diphtheria 2, and 36 from tuberculosis.

State of Victoria, including the city of Melbourne.—Six weeks ended February 6, 1909. Estimated population of State, 1,237,998; city, 526,400. Total number of deaths not reported. Deaths from contagious diseases were: Enteric fever 28, scarlet fever 1, and 10

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from diphtheria. Cases: Enteric fever 572, scarlet fever 155, diphtheria 131.

AUSTRIA-HUNGARY—*Brunn.*—Month of January, 1909. Estimated population, 108,944. Total number of deaths, 246, including tuberculosis 46, diphtheria 1, whooping cough 2, and 1 from measles.

BRAZIL—*Ceara.*—Month of January, 1909. Estimated population, 55,000. Total number of deaths, 84, including enteric fever 5, whooping cough 1, and 10 from tuberculosis.

Pernambuco.—Month of January, 1909. Estimated population, 210,000. Total number of deaths, 596, including measles 1, smallpox 35, and 107 from tuberculosis.

São Paulo, Santos, and Campinas.—Six weeks ended February 7, 1909. Estimated population 300,000. Total number of deaths 1,212, including smallpox 16, measles 15, scarlet fever 4, diphtheria 5, enteric fever 8, whooping cough 4, and 98 from tuberculosis.

CANADA—*British Columbia—Vancouver.*—Month of February, 1909. Estimated population, 66,500. Total number of deaths, 51, including 7 from tuberculosis. Cases: Smallpox 3, measles 18, scarlet fever 13, diphtheria 1, whooping cough 12, and enteric fever 2.

Quebec—Sherbrooke.—Month of February, 1909. Estimated population, 15,000. Total number of deaths, 27, including enteric fever 1, and 3 from tuberculosis.

CHILE—*Punta Arenas.*—Month of January, 1909. Estimated population, 12,000. Total number of deaths, 36, including 7 from tuberculosis.

COSTA RICA—*San Jose.*—Month of January, 1909. Estimated population, 26,682. Total number of deaths, 83, including enteric fever 1, whooping cough 1, and 12 from tuberculosis.

DUTCH GUIANA—*Paramaribo.*—Month of February, 1909. Estimated population, 34,962. Total number of deaths, 102. Causes of death not reported.

FRANCE—*Calais.*—Month of February, 1909. Estimated population, 80,000. Total number of deaths, 129, including enteric fever 2, diphtheria 2, measles 2, whooping cough 1, and 28 from tuberculosis.

Marseille.—Month of February, 1909. Estimated population, 517,498. Total number of deaths, 1,099, including diphtheria 3, enteric fever 26, measles 17, and 104 from tuberculosis.

St. Etienne.—Two weeks ended February 28, 1909. Estimated population, 150,000. Total number of deaths, 141, including diphtheria 1, scarlet fever 1, and 13 from tuberculosis.

Nice.—Month of January, 1909. Estimated population, 150,881. Total number of deaths, 296, including diphtheria 2, enteric fever 3, and 31 from tuberculosis.

Toulon.—Month of January, 1909. Estimated population, 105,000. Total number of deaths, 207, including typhus fever 4, and 1 from diphtheria.

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GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended February 27, 1909, correspond to an annual rate of 19.1 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand eight hundred and forty-nine deaths were registered during the week, including measles 94, scarlet fever 8, diphtheria 18, enteric fever 2, whooping cough 35, tuberculosis 158, and 14 from diarrhea. The deaths from all causes correspond to an annual rate of 19.9 per 1,000. In Greater London 2,621 deaths were registered. In the "outer ring" the deaths included 14 from measles, 1 from scarlet fever, 17 from diphtheria, whooping cough 2, and 1 from enteric fever.

Ireland.—The average annual death rate represented by the deaths registered during the week ended February 27, 1909, in the 21 principal town districts of Ireland was 23.0 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Portadown, viz, 10.3, and the highest in Lurgan, viz, 31.0 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended February 27, 1909, correspond to an annual rate of 20.0 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 21.9, and the lowest in Leith, viz, 12.8 per 1,000. The aggregate number of deaths registered from all causes was 714, including measles 3, diphtheria 14, scarlet fever 3, enteric fever 6, and 40 from whooping cough.

GREECE—*Patras.*—Two weeks ended February 28, 1909. Estimated population, 40,000. Total number of deaths, 27, including scarlet fever, 1, and 6 from tuberculosis.

PANAMA—*Panama, Colon,* and *Canal Zone.*—Month of January, 1909. Estimated population, 126,999. Total number of deaths, 242, corresponding to an annual death rate of 22.86 per 1,000, including enteric fever 2, malarial fever 27, beriberi 5, measles 1, and 24 from tuberculosis. Of this number 39 occurred among the employees of the Isthmian Canal Commission and Panama Railroad Company, corresponding to an annual death rate of 10.98 per 1,000, of which 7.89 per 1,000 was due to disease, including malarial fever 4, enteric fever 1, and 3 from tuberculosis. Total number of employees, 42,607.

RUSSIA—*Odessa.*—Period from October 17 to December 26, 1908. Estimated population, 467,000. Total number of deaths, 2,043, including enteric fever 74, scarlet fever 80, diphtheria 34, measles 6, whooping cough 13, tuberculosis 279, typhus fever 1, and 6 from smallpox.

TASMANIA—*Hobart.*—Month of December, 1908. Estimated population, 184,008. Total number of deaths, 172, including diphtheria 1, and 15 from tuberculosis.

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WEST INDIES—*Curação.*—Month ended March 5, 1909. Estimated population, 30,400. Total number of deaths, 44. Cause of deaths not reported.

St. Thomas.—Annual report for the year 1908. Estimated population, 11,000. Total number of deaths, 314, including diphtheria 2, tuberculosis pulmonary 27, enteric fever 3, and 3 from whooping cough.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to March 26, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Dec. 5	12	10	
China:				
Hongkong	Dec. 28-Jan. 16	2	2	
India:				
Bombay	Dec. 9-Feb. 23		85	
Calcutta	Nov. 1-Feb. 13		166	
Madras	Nov. 14-Feb. 12		53	
Negapatam	Oct. 31-Nov. 6		1	
Rangoon	Nov. 8-Feb. 13		36	
Indo-China—Cholen	Nov. 9-15	1	1	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1-Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1-Jan. 16	260	163	
Bataan	Nov. 1-7	1	1	
Bohol	Dec. 20-Feb. 6	118	75	
Bulacan	Nov. 1-Jan. 30	88	70	
Cagayan	Nov. 1-Jan. 16	114	67	
Capiz	Nov. 1-Feb. 6	1,229	678	
Cavite	Nov. 1-Jan. 30	107	78	
Cebu	Dec. 20-Feb. 6	21	15	
Ilocos Norte	Nov. 1-Jan. 16	335	235	
Ilocos Sur	Nov. 1-Jan. 2	207	140	
Iloilo	Nov. 1-Jan. 16	293	154	
Isabela	Jan. 24-30	2		
La Laguna	Nov. 1-Feb. 6	87	55	
Leyte	Nov. 1-Jan. 30	155	124	
Negros Occidental	Nov. 1-Jan. 16	272	175	
Palawan	Nov. 1-Dec. 19	10	5	
Pampanga	Nov. 1-Feb. 6	62	41	
Rizal	Nov. 1-Jan. 30	245	216	
Samar	Nov. 1-Feb. 6	160	107	
Sorsogon	Jan. 10-Feb. 6	66	45	
Surigao	Nov. 15-Jan. 12	7	4	
Union	Nov. 1-Jan. 12	12	8	
Zambales	Dec. 6-12	3	3	
Russia, general	Nov. 15-Feb. 20	4,024	1,600	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15-Jan. 23	34	13	
Bakoo	Nov. 22-28	3	2	
Batoom	Nov. 15-21	4	2	
Cronstadt	Nov. 15-Jan. 16	3	1	
Don, territory of	Nov. 15-Feb. 20	188	96	
Ekaterinislav	Nov. 15-Dec. 26	27	11	
Erivan	Dec. 1-31	28	21	
Helsingfors	Jan. 10	2		In vicinity.
Jaroslav	Feb. 7-Mar. 1	43	18	
Kerson	Nov. 15-Dec. 19	2		
Kharkov	Dec. 6-12	1		
Kief	Nov. 15-Dec. 12	11	1	
Kooban	Nov. 15-Jan. 2	139	76	
Kostroma	Dec. 6-12	1		
Livonia	Nov. 15-21	2	1	
Moscow district	Dec. 6-Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17-23	1	1	Imported.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Odessa	Nov. 29-Dec. 12	2	2	
Olonets	Nov. 21-28	1	1	
Poltava	Nov. 29-Dec. 5	3	.....	
Samara gov't dist	Nov. 29-Dec. 5	7	7	
Samarcand	Dec. 6-12	10	7	In vicinity.
Saratov	Nov. 15-Dec. 12	11	6	
Semipalatinsk, territory of	Dec. 19-26	1	.....	
Stavropol	Nov. 15-21	1	.....	
St. Petersburg, government	Nov. 15-Feb. 20	14	8	
St. Petersburg	Nov. 29-Feb. 20	1,833	588	Mar. 5, still present.
Tambov	Nov. 15-Dec. 12	16	8	
Tavride	Nov. 15-Dec. 19	9	5	
Terek, territory of	Nov. 15-Dec. 19	99	62	
Tiflis	Nov. 15-21	9	4	
Tomsk	Nov. 15-Jan. 23	102	48	
Tver, district	Nov. 15-Dec. 5	4	.....	
Volgoda	Dec. 6-12	1	.....	
Yelisavetpol	Nov. 26-Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1-Dec. 5	1	.....	
Straits Settlements:				
Singapore	Nov. 8-Jan. 23	.....	161	

YELLOW FEVER.

Barbados, general	Dec. 12-Mar. 6	49	16	Including the parishes of St. Andrew, St. Lucy, and St. Joseph.
Bridgetown	Dec. 12-Mar. 7	9	.....	
Speightstown	Mar. 7	1	.....	
Brazil:				
Bahia	Nov. 15-Feb. 13	104	34	
Manaos	Nov. 29-Feb. 20	.....	10	
Para	Nov. 22-Feb. 27	.....	38	
Pernambuco	Nov. 15-30	.....	1	
Colombia:				
Cartagena	Jan. 8-14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1-2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1	.....	
Dutch Guiana:				
Paramaribo	Dec. 1-Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29-Feb. 20	.....	26	
Martinique:				
Fort de France	Dec. 13-Jan. 30	3	1	
Mexico:				
Itzincal plantation	Dec. 6-12	2	2	
Maxcanu	Dec. 6-Jan. 23	5	4	Aug. 22-Dec. 18, 5 cases not previously reported.
Merida	Dec. 6-Mar. 6	15	8	
San Bernardo plantation	Dec. 27-Mar. 13	5	3	
Sodzil plantation	Dec. 13-Jan. 2	7	5	
Ticul	Feb. 1-Mar. 6	2	1	
Veracruz	Dec. 6-Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20	.....	1	

PLAGUE.

Azores:				
Terceira	Jan. 25-Feb. 9	9	1	
Australia:				
Brisbane	Nov. 1-7	1	1	
Brazil:				
Bahia	Nov. 15-Feb. 13	45	24	
Para	Jan. 24-Feb. 6	.....	2	
Pernambuco	Nov. 1-Dec. 31	.....	10	
Rio de Janeiro	Nov. 16-Feb. 14	64	34	
Chile:				
Iquique	Nov. 22-Feb. 1	28	5	Feb. 1, 12 cases in the lazaretto.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy	Mar. 16			Present.
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–Jan. 2	2	2	
Tientsin	Oct. 18–Nov. 21			Still present.
Tongshan	Nov. 1–14			Present.
Ecuador:				
Babahoyo	Jan. 16	3		
Guayaquil	Nov. 29–Feb. 27		46	
Milagro	Nov. 17–Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25–Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14–Dec. 4	3		
Port Said	Dec. 4	1		
Suakim	Feb. 1	1		On ss. Huriet II.
Provinces—				
Assiout	Dec. 2–Jan. 13	5	5	
Beherach	Nov. 24–Dec. 26	11	6	
Dakaklieh	Feb. 4	1	1	
Galyoobeeyeh	Nov. 21–Feb. 2	3		
Garbieh	Nov. 27–Jan. 28	4	2	
Girgeh	Oct. 18–Feb. 1	6	6	
Fayoum	Nov. 23–Dec. 1	1	1	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Jan. 27	4		
India:				
Bombay Presidency and Sind.	Nov. 2–Feb. 6	13,730	9,692	
Madras Presidency	Nov. 2–Feb. 6	881	636	
Bengal	Nov. 2–Feb. 6	2,321	1,948	
United Provinces	Nov. 2–Feb. 6	2,819	2,334	
Punjab	Nov. 2–Feb. 6	7,078	5,951	
Burma	Nov. 2–Feb. 6	2,790	2,651	
Central provinces, including Berar.	Nov. 2–Feb. 6	2,931	2,243	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Feb. 6	2,249	1,596	
Hyderabad State	Nov. 2–Feb. 6	507	416	
Central India	Nov. 2–Feb. 6	634	495	
Rajputana	Nov. 2–Feb. 6	1,437	1,405	
Grand total		37,382	29,370	
Indo-China:				
Cholon	Oct. 25–Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25–Jan. 30	12	11	
Japan:				
Formosa	Nov. 8–Feb. 13	85	63	Cases in February in central part.
Kagi, prefecture	Jan. 16	5		
Hiogo				Year 1908, 219 cases additional.
Kagoshima	Feb. 6	1		From s. s. Shinkochi.
Kobe	Jan. 20	2	2	
Nara				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases.
Osaka	Dec. 22–Jan. 29	3	1	Year 1908, 59 cases additional; case Jan. 29, on s. s. Shinkochi Maru.
Yura		116	83	Year 1908.
Mauritius	Oct. 2–Jan. 7		94	
Peru:				
Callao	Nov. 13–Feb. 4	21	8	
Casma	Feb. 4	1	1	
Catacaos	Dec. 11–Jan. 14	4		
Chorrillos	Jan. 22–Feb. 4	2	2	
Chepen	Nov. 27–Feb. 4	17	3	
Chiclayo	Nov. 13–Feb. 4	32	18	
Chota	Jan. 22–Feb. 4	7	7	
Eten	Nov. 13–Dec. 31	11	10	
Ferrenafe	Nov. 13–Dec. 24	9	3	
Jayanca	Feb. 4	12		
Lima	Nov. 13–Feb. 4	43	16	
Mollendo	Nov. 13–Feb. 4	9	3	
Monsefu	Nov. 13–Dec. 24	7	2	
Motupe	Dec. 17–Jan. 14	2		
Oyotun, plantation	Nov. 20	4		
Paita	Dec. 11–17	3	2	
Piura	Dec. 11–Jan. 14	6	4	
San Jose (Lambayeque)	Nov. 13–Dec. 3	2		
San Pedro	Nov. 13–Feb. 4	24	17	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Surco, Matucana	Feb. 4	15		
Trujillo	Nov. 13-Feb. 4	140	59	
Zaña	Jan. 14-28	2	2	
Siam:				
Bangkok	Sept. 27-Dec. 26	12	6	Present in November.
Straits Settlements:				
Singapore	Nov. 30-Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6-Feb. 5	14	7	
Beirut	Dec. 17-Jan. 9	5	5	
Jiddah	Dec. 12-Feb. 28	82	74	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	Dec. 1-Feb. 28		78	Imported.
Arabia:				
Aden	Nov. 25-Feb. 15		73	
Argentina:				
Buenos Aires	Oct. 1-Dec. 31		2	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1		
Austria:				
Bohemia	Feb. 7-13	7		
Galicia	Dec. 20-Jan. 23	8		
Silesia	Jan. 3-9	1		
Brazil:				
Bahia	Nov. 15-Feb. 13	278	21	
Para	Feb. 14-27	2	1	
Pernambuco	Nov. 1-Jan. 31		97	
Rio de Janeiro	Nov. 16-Feb. 14	1,252	611	
Santos	Nov. 1-Dec. 20		10	
São Paulo	Nov. 1-Feb. 7		52	
British Honduras:				
Stann Creek	Feb. 5-Mar. 10	6	1	32 miles south of Belize
British South Africa:				
Cape Town	Dec. 28-Jan. 2	4		
Canada:				
British Columbia—				
Vancouver	Dec. 1-Feb. 28	4		
Victoria	Dec. 12-Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20-Jan. 20	6		
Ontario, Province, general	Dec. 1-31	118		
Hamilton	Jan. 17-23	1		
Toronto	Nov. 8-28	7		
Nova Scotia—				
Halifax	Dec. 13-Mar. 13	57		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1-Feb. 27	46		And vicinity.
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Ceylon:				
Colombo	Nov. 1-21	62	13	
Chile:				
Talcaguana	Nov. 20-Jan. 28			Present in vicinity.
Valparaiso	Dec. 6-19	2		
China:				
Amoy	Oct. 11-Nov. 8		2	Dec. 19, still present.
Hongkong	Jan. 3-30	4	2	
Shanghai	Nov. 11-Feb. 14	4	3	3 cases Nov. 11-Dec. 28 from U. S. transport Seward.
Tientsin	Jan. 17-30	9	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26-Jan. 19	3		Case Dec. 26 on s. s. Floride, case Jan. 19 on s. s. Alfonso XIII.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12-Jan. 28	605	138	
Alexandria	Nov. 26-Jan. 28	27	17	
Cairo	Nov. 19-Feb. 18	330	140	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
France:				
Marseille	Dec. 1–Jan. 31		2	
Nice	Jan. 1–31	1		
Paris	Nov. 22–Feb. 26	32	2	
Toulon	Jan. 1–31	1		
Germany, general	Nov. 19–Feb. 27	35		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Brunswick	Feb. 16–20	1		
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22–Jan. 2		4	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–Mar. 6	20	4	
London	Feb. 1–6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25–Feb. 23		106	
Calcutta	Nov. 1–Feb. 13		810	
Madras	Nov. 28–Feb. 19		10	
Rangoon	Nov. 22–Feb. 13		20	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–Jan. 30	11	8	
Italy, general	Nov. 30–Feb. 28	165		
Catania	Feb. 28	1		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–30	2		
Genoa	Dec. 1–Jan. 15	3		
Naples	Dec. 7–Feb. 28	259	51	Jan. 18, 1 case on s. s. Europa.
Palermo	Jan. 24–Feb. 27	9	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15–21	2		
Japan:				
Formosa	Nov. 29–Jan. 16	10		
Kobe	Feb. 14–20	4	1	
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–Feb. 6	43	3	
Malta	Nov. 22–Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17–30	1	1	
Mexico:				
Acapulco	Jan. 11–31	12		
Guadalajara	Jan. 7–Feb. 25	5	3	
Mexico City	Nov. 8–Feb. 14		80	
Monterey	Jan. 4–Mar. 7		9	
Salina Cruz	Jan. 1–15	5		
Tehuantepec	Jan. 28–Feb. 3			Present.
Veracruz	Dec. 13–Feb. 27	4	2	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Rotterdam	Jan. 10–16	1		
Newfoundland	Feb. 9–13			Epidemic on south coast.
St. Johns	Jan. 10–Feb. 13	7		From s. s. Portia.
Norway:				
Bergen	Jan. 24–30		2	
Christiania	Nov. 22–28	1	1	
Paraguay:				
Asuncion	Dec. 20–26			Present.
Persia:				
Arabistan	Jan. 1–28			Do.
Dizfoul	Jan. 1–28			Do.
Hamadan	Oct. 2–Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1–31			Do.
Mechedisser	Jan. 1–28			Do.
Mohammerah	Jan. 1–28			Do.
Sultanabad	Oct. 1–31			Do.
Tabriz	Oct. 2–8			Do.
Trebizond	Jan. 16			Do.
Teheran	Sept. 18–Oct. 28		17	
Peru:				
Lima	Nov. 22–Dec. 31	11		Feb. 4, 3 cases in the lazaretto.
Salaverry	Nov. 19–25		1	
Philippine Islands:				
Manila	Nov. 1–Feb. 6	21	11	Third quarter, 1908, 84 cases, 38 deaths.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Porto Rico:				
Mayaguez	Dec. 20–Jan. 2	2		
Portugal:				
Lisbon	Nov. 30–Feb. 20	23		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1–31	1		
Moscow	Nov. 29–Feb. 13	214	81	
Odessa	Oct. 4–Feb. 27	58	12	
Reval	Jan. 1–31	1		
Riga	Nov. 29–Feb. 20	11		
St. Petersburg	Nov. 15–Feb. 20	89	29	
Warsaw	Nov. 1–Jan. 16		55	
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala.
Servia:				
Belgrade	Dec. 6–12	2		
Siam:				
Bangkok	Nov. 1–30			Present.
Siberia:				
Vladivostok	Dec. 14–20	1		
Spain:				
Almeria	Jan. 1–31		1	Apr. 1–Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6–Feb. 23		24	
Cartagena	July 1–31		15	
Madrid	Nov. 1–Jan. 31		35	
Valencia	Nov. 29–Feb. 26	54	5	
Vigo	Nov. 30–Feb. 27		10	
Straits Settlements:				
Singapore	Dec. 28–Jan. 23		3	
Switzerland:				
Zurich	Feb. 21–27	3		
Tripoli:				
Tripoli	Feb. 13	4		
Turkey in Asia:				
Adalia	Sept. 24–27		2	
Bagdad	Feb. 13			Present.
Bassorah	Jan. 3–Feb. 20			Do.
Smyrna	Oct. 7–Jan. 21		60	Jan. 5, epidemic.
Turkey in Europe:				
Constantinople	Dec. 7–Feb. 28		56	
Trebizond	Feb. 7–20			Present.
Uruguay:				
Montevideo	Dec. 1–31		1	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Feb. 27	178,210	55									2	3	5
Acapulco	Feb. 21	4,700	8											
Aden	Feb. 8	43,794	35	4				3						
Do	Feb. 15	43,794	38	4				4						
Aguascalientes	Mar. 6	40,000	44	2							1	1	1	
Amsterdam	Feb. 27	566,256	137	18						1			3	2
Antwerp	Feb. 20	323,921	91	7							1	1		
Asuncion	Jan. 9	75,000	26	1						2				
Do	Jan. 16	75,000	23	1						1				
Athens	Feb. 20	241,058	100	11									2	
Bagdad	Jan. 30	250,000			2									
Do	Feb. 6	250,000			1									
Bahia	Jan. 23	265,000	92	14	2		5			1				
Do	Jan. 30	265,000	86	11	7		3	1						
Do	Feb. 6	265,000	99	10	3		4	2						
Do	Feb. 13	265,000	91	15	1		4	2						

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Weekly mortality table, foreign and insular cities —Continued.

Cities	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague	Cholera	Yellow fever	Smallpox	Typhus fever	Enteric fever	Scarlet fever.	Diphtheria	Measles.	Whooping cough.
Barranquilla	Feb. 20	40,000	12	1										
Do	Feb. 27	40,000	12	1										
Basel	Feb. 20	131,000	32	4								1	5	1
Do	Feb. 27	131,000	49	4						2			1	
Belfast	...do....	386,576	156	37										
Bergen	...do....	87,749	24	2								2		
Birmingham	...do....	558,336	279								1	2	43	6
Bluefields	...do....	2,500	1											
Bombay	Feb. 16	977,822	702	48	45	2		14		1			1	
Bradford	Feb. 27	293,983	124	9						1		2		2
Bremen	Feb. 20	234,169	74	14								1	3	
Do	Feb. 27	234,169	64	4								1	1	1
Breslau	Feb. 20	335,186	182	36							1	1		3
Bristol	Feb. 27	377,642	113					1				1		2
Brussels	Feb. 20	704,975	186	17							1			
Do	Feb. 27	704,975	203	27							1	3	1	2
Calcutta	Feb. 6	847,796	708	30	10	12		202					3	
Christiania	Feb. 20	235,000	62									1		3
Do	Feb. 27	235,000	57											2
Cienfuegos	Mar. 6	370,000	16											
Cognac	Feb. 28	19,483		1										
Do	Mar. 4	19,483		1										
Colon	Feb. 28	16,000	8											
Do	Mar. 7	16,000	9	1										
Constantinople	Feb. 28	1,000,000	463	53				5		14	1	1	1	
Copenhagen	Feb. 13	447,000	127	14							2	1	3	4
Damascus	Feb. 20	250,000	50											
Denia	...do....	12,431	5											
Dresden	Feb. 27	545,900	149	29						1	2	2		
Dublin	Feb. 20	394,525	211	43						1	1	2	4	2
Dundee	...do....	169,409	70								1	1		2
Do	Feb. 27	169,409	68								1	3		2
Durban	Feb. 6	60,972	10	1										
East London	Jan. 30	49,253	9											
Do	Feb. 6	49,253	5											
Edinburgh	Feb. 20	355,366	121	13									1	7
Do	Feb. 27	355,366	146	16						1	1	2		2
Flume	Feb. 28	50,811	40	12									1	
Flushing	Feb. 27	21,208	5											
Frontera	...do....	9,000	5	1										
Geneva	Feb. 13	118,500	37											
Georgetown	Feb. 6	56,000	24	2										
Do.[a]	Feb. 13	56,000	78	5										
Ghent	Feb. 20	164,579	75	3									1	
Gibraltar	Feb. 21	26,830	5											
Do	Feb. 28	26,830	11	1										
Glasgow	Mar. 5	872,021	352							5	1	4		29
Gothenburg	Feb. 27	162,200	41	7						1	1			
Guadalajara	Feb. 25	125,000	86					2						
Do	Mar. 4	125,000	70						1					
Halifax	Mar. 5	40,757	15	2								1		
Hamilton, Bermuda	Mar. 8	20,206	5											
Havre	Feb. 20	133,430	77	18						1				1
Hongkong	Jan. 9	315,616						2				1		
Do	Jan. 16	315,616				1								
Do	Jan. 23	315,616										1		
Hull	Feb. 27	275,552	87									1	2	
Lausanne	Feb. 13	56,000	17											
Leeds	Feb. 27	484,012	147	12								1		1
Libau	Feb. 21	90,000									1			
Do	Feb. 28	90,000									4	1		
Liege	Feb. 20	175,870	63	5							1	1		1
Liverpool	Feb. 27	760,357	302	29						2	11	4	9	6
Leith	Feb. 20	85,721	24	6										
Do	Feb. 27	85,721	21	4										
London	....do....	4,833,938	1,849	158						2	8	18	94	35
Lubeck	....do....	96,000	35	2								1		
Lyon	Feb. 20	472,114	230	40						1	1	1		
Do	Feb. 27	472,114	239	28								2		
Madras	Feb. 12	509,346	373			1		3					2	
Manaos	Feb. 6	54,000	23	5			1							
Do	Feb. 13	54,000	28	7			3							
Do	Feb. 20	54,000	31	2			1							

[a] Total deaths include returns from hospital for two weeks.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Manchester	Feb. 27	631,533	277	29						3	2	3	13	5
Manzanillo	Mar. 6	1,700	2											
Matamoras	do	8,000	5	3										
Mazatlan	Feb. 28	22,000	18											
Milan	Feb. 14	900,000	265	26						2	1	3	4	
Moncton, N. B	Mar. 6	13,500	3											
Monrovia	Jan. 23	7,000	5											
Do	Jan. 30	7,000	5											
Do	Feb. 6	7,000	3											
Do	Feb. 13	7,000	6											
Monterey	Mar. 7	100,000	66	6				1		3				
Montreal	Mar. 6	378,856	148	16						1	3	1	2	
Munich	Feb. 20	566,000	189	30							3	2	10	3
Nagasaki	Feb. 7	175,936	48									1		
Nantes [a]	Jan. 2	161,908	55	10						1			1	
Do	Feb. 21	161,908	81	14										
Do	Feb. 28	161,908	83	17										
Naples	Jan. 23	593,729	277									4		
Do	Jan. 30	593,729	312					8				1		
Do	Feb. 6	593,729	301					5						
Do	Feb. 13	593,729	298					1				1		
Do	Feb. 20	593,729	305					5				1		
Newcastle-on-Tyne	Feb. 27	281,584	105	14								1	2	1
Nottingham	Feb. 20	260,000	99										4	3
Do	Feb. 27	260,000	102										6	7
Nuevo Laredo	Mar. 6	8,000	6											
Odessa [a]	Jan. 2	467,000	166	32				2		3	6	2		1
Do	Feb. 20	467,000	185	39					3		5	2	1	1
Do	Feb. 27	467,000	199						4	5	9	4	1	
Ottawa	do	80,200	13											
Do	Mar. 6	80,200	32											
Palermo	Feb. 6	330,000	156	10				2			2		1	
Do	Feb. 13	330,000	157	7							3			
Do	Feb. 20	330,000	165	12							1	1	1	
Do	Feb. 27	330,000	178	5							2	2	1	
Para	Feb. 13	185,000	89	9			7							
Do	Feb. 20	185,000	72	5			3							
Do	Feb. 27	185,000	112	13			1	1						
Paris	Feb. 20	2,776,397	1,117	212						4	4	6	3	3
Penang	Jan. 23	102,520	75	13										
Do	Jan. 30	102,520	86	19						1				
Do	Feb. 6	102,520	78	14										
Port Elizabeth	Feb. 5	32,959	17	1										
Do	Feb. 12	32,959	12	3						1		1		
Port of Spain	Jan. 30	60,000	33	6										
Do	Feb. 6	60,000	15	1						2				
Do	Feb. 13	60,000	36	7						1				
Progreso	Feb. 27	5,000	7											
Queenstown	do	7,684	4											
Rangoon	Feb. 6	252,155	200	7	14	13		3						
Rio de Janeiro	Jan. 24	811,443	291	71				34				1	1	
Do	Jan. 31	811,443	321	67	1			17		1		1	3	2
Do	Feb. 7	811,443	278	61	1			13		4		1	3	1
Do	Feb. 14	811,443	354	65	3			18		1		1	1	1
Rotterdam	Feb. 27	412,354	134								1			
Saigon	Jan. 30	208,000			2			1						
St. John, N. B	Mar. 13	40,711	16	2										
St. Petersburg	Feb. 13	1,678,000	968	151		44		1	2	15	32	19	20	16
San Feliu de Guixols	Feb. 27	11,094	9	1										
Santa Cruz de Teneriffe	Feb. 20	46,000	14	2									1	
Do	Feb. 27	46,000	11	1										
Sheffield	Feb. 21	440,000	166	23						3	2	1	19	2
Do	Feb. 27	440,000	172	19						2	2	2	33	3
Southampton	Feb. 27	124,667	48	2						1				1
South Shields	do	117,627	39	4							1			
Stettin	do	230,000	73	7										
Stockholm	Feb. 13	337,460	89	18							2	1		1
Suez	Jan. 29	19,786	9											
Do	Feb. 4	19,786	12											
Do	Feb. 11	19,786	8											
Do	Feb. 18	19,786	8											

[a] Reported out of date.

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Sunderland	Feb. 27	159,137	69	4							1	1	12	2
Tientsin	Feb. 6	1,000,000	10	2										
Turin	Feb. 20	331,439	176	16						1		1	1	
Valencia	do	250,000	150	8				1		1				
Vevey	Feb. 13	14,000	2											
Vienna	Feb. 20	2,042,426	743	101						1	12	15	14	3
Do	Feb. 27	2,042,426	773	138						1	16	12	13	6
Victoria, B. C	Mar. 6	30,000	7											
Vigo	Feb. 20	40,000	14	3									1	
Do	Feb. 27	40,000	17					1						
Warsaw	Jan. 16	751,595	314	41				6			8	1	4	2
West Hartlepool	Feb. 27	66,750	32							1		1		
Winnipeg	Mar. 6	118,000	35							1		1		
Zanzibar	Jan. 31	75,000	36	6										
Do	Feb. 7	75,000	18	5										
Zurich	Feb. 27	180,000	41	7								1		1

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended March 20, 1909.

Sick inspected	9
Plague	0
Dead inspected	123
Plague	0
Premises inspected	2,429
Houses disinfected	51
Nuisances abated	298
Rats found dead	37
Rats trapped	2,264
Total rats taken	2,301
Rats identified:	
Mus norvegicus	1,474
Mus rattus	51
Mus musculus	757
Mus alexandrinus	10
Total	2,292
Rats identified as to sex	1,461
Male	689
Female	772
Rats examined bacteriologically	1,316
Plague rats	0
Ground squirrels caught	11
Ground squirrels examined bacteriologically	11
Plague squirrels	0
Buildings condemned	11
Poisons placed	35,329

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OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended March 13, 1909.

Dead inspected	24
Plague	0
Premises inspected	756
Premises cleaned	172
Garbage cans installed	194
Places made rat-proof	2
Nuisances abated	185
Rats found dead	29
Rats trapped	533
Total rats taken	562
Mice trapped	56
Rats identified:	
Mus norvegicus	555
Mus rattus	4
Mus musculus	56
Mus alexandrinus	3
Total	618
Rats examined bacteriologically	551
Plague rats	0
Mice examined bacteriologically	56
Plague mice	0
Poisons placed	21,065

POINT RICHMOND, CAL.

Week ended March 13.

Sick inspected	2
Plague	0
Premises inspected	470
Nuisances abated	21
Rats found dead	14
Rats trapped	8
Rats examined bacteriologically	8
Plague rats	0
Poisons placed	7,000

ALAMEDA COUNTY, CAL.

Week ended March 13.

Sick inspected	10
Plague	0
Dead inspected	48
Plague	0

CONTRA COSTA COUNTY, CAL.

Week ended March 13.

Dead inspected	3
Plague	0
Ground squirrels shot	37
Ground squirrels examined bacteriologically	37
Plague squirrels	0
Ranches inspected	40
Ranches found free of ground squirrels	9
Ranches poisoning ground squirrels	31

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Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson, plague laboratory, reports, March 18:

Animals examined in the laboratory in this city from March 8 to 14, inclusive:

Ground squirrels	48
Gray rats	368
Black rats	13

None of these animals was found to be infected with plague.

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, March 15:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended March 13, 1909.

Plague-infected rats to date	21
Rats received	931
Rats necropsied	911
Plague rats	0
Vessels inspected	9
Vessels fumigated	3

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*Sacramento.*—Month of January, 1909. Estimated population, 50,000. Total number of deaths, 72, including enteric fever 5, whooping cough 1, and 9 from tuberculosis. Cases: Diphtheria 3, measles 7, scarlet fever 2, enteric fever 6, smallpox 22.

Month of February, 1909. Total number of deaths, 48, including enteric fever 1, and 4 from tuberculosis. Cases: Diphtheria 3, measles 3, whooping cough 1, scarlet fever 2, enteric fever 3, and smallpox 7.

COLORADO.—Semiannual report for the period ended December 31, 1908. Estimated population, 640,861. Total number of deaths, 5,222, including diphtheria 86, scarlet fever 36, and 256 from enteric fever. Cases: Diphtheria 595, scarlet fever 576, smallpox 52, and enteric fever 2,226.

CONNECTICUT—*Bridgeport.*—Month of February, 1909. Estimated population, 100,000. Total number of deaths, 117, including diphtheria 2, and 17 from tuberculosis. Cases: Diphtheria 14, enteric fever 2, scarlet fever 22, measles 54, whooping cough 1, and pulmonary tuberculosis 11.

ILLINOIS—*Springfield.*—Month of February, 1909. Estimated population, 68,970. Total number of deaths, 56, including enteric fever

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1, measles 1, whooping cough 1, and 7 from pulmonary tuberculosis. Cases: Diphtheria 3 and scarlet fever 4.

INDIANA.—Month of January, 1909. Estimated population, 2,648,594. Total number of deaths, 2,744, including tuberculosis, 352, enteric fever 36, diphtheria 36, scarlet fever 9, measles 5, and 20 from whooping cough. Cases: Smallpox, 148 cases in 24 counties; enteric fever, 194 cases in 39 counties; diphtheria, 170 cases in 45 counties.

IOWA.—Reports to the state board of health for the quarter ended December 31, 1908. Estimated population, 2,500,000. Total number of deaths, 4,923, including diphtheria 87, enteric fever 83, measles 3, scarlet fever 4, whooping cough 23, smallpox 1, and 324 from tuberculosis.

KENTUCKY—*Louisville.*—Month of February, 1909. Estimated population, 206,416. Total number of deaths 293, including enteric fever 2, whooping cough 1, scarlet fever 2, diphtheria 2, and 35 from tuberculosis.

MASSACHUSETTS.—Reports from the state board of health for the month of February, 1909. Fifty-three cities and towns reporting, having an aggregate estimated population of 2,367,620, report 3,066 deaths, including diphtheria 80, enteric fever 20, measles 7, and 351 from phthisis pulmonalis. Cases: Diphtheria 593, enteric fever 73, measles 1,746, scarlet fever 664, whooping cough 361, smallpox 2, and phthisis pulmonalis 515.

MINNESOTA.—Month of December, 1908. Estimated population, 1,979,658. Reports to the state board of health show as follows: Total number of deaths, 1,533, including diphtheria 62, enteric fever 31, scarlet fever, 11, whooping cough 2, smallpox 3, and 158 from tuberculosis. Deaths reported from state institutions during the month numbered 42, including enteric fever 1, diphtheria 1, and 14 from tuberculosis.

St. Paul.—Month of January, 1909. Estimated population, 230,000. Total number of deaths reported to the department of health, 186, including diphtheria 9, enteric fever 3, scarlet fever 6, and 18 from tuberculosis. Cases: Diphtheria 113, scarlet fever 107, measles 3, and smallpox 37.

Winona.—Month of February, 1909. Estimated population, 22,000. Total number of deaths, 17, including 2 from tuberculosis. Cases: Scarlet fever 1, smallpox 3, enteric fever 1, and measles 1.

NEBRASKA—*Lincoln.*—Month of February, 1909. Estimated population, 60,000. Total number of deaths, 43, including 2 from tuberculosis. Cases: Diphtheria 3, scarlet fever 6, measles 10, and smallpox 8.

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NEW YORK—*Troy.*—Month of February, 1909. Estimated population, 77,650. Total number of deaths, 116, including diphtheria 1, enteric fever 1, and 15 from tuberculosis. Cases: Enteric fever 3, diphtheria 5, scarlet fever 6, whooping cough 17, measles 2, and tuberculosis 58.

Peekskill.—Months of January and February, 1909. Estimated population, 14,336. Total number of deaths, 34, including 3 from tuberculosis. Cases: Scarlet fever 9, diphtheria 2, and tuberculosis 3.

OHIO—*Columbus.*—Annual report for the year, 1908. Estimated population, 190,000. Total number of deaths, 2,487, corresponding to an annual death rate of 13.09 per 1,000 of population. Deaths from contagious diseases were: Enteric fever 170, measles 4, scarlet fever 1, whooping cough 14, diphtheria 12, and 328 from tuberculosis. Cases: Diphtheria 80, scarlet fever 260, whooping cough 144, measles 421, smallpox 48, enteric fever 1,565, and tuberculosis 420.

Month of January, 1909. Total number of deaths, 196, including enteric fever 1, measles 1, whooping cough 1, diphtheria 1, and 17 from tuberculosis. Cases: Diphtheria 11, scarlet fever 23, whooping cough 6, measles 80, smallpox 3, enteric fever 6, and tuberculosis 24.

Month of February, 1909. Total number of deaths, 162, including scarlet fever 1, whooping cough 1, diphtheria 1, and 23 from tuberculosis. Cases: Diphtheria 4, scarlet fever 11, whooping cough 9, measles 32, smallpox 11, enteric fever 9, and tuberculosis 33.

PENNSYLVANIA—*Pittsburg.*—Month of November, 1908. Estimated population, 565,000. Total number of deaths, 637, including diphtheria 10, scarlet fever 10, measles 1, whooping cough 2, enteric fever 9, and 48 from tuberculosis. Cases: Diphtheria 94, scarlet fever 157, enteric fever 96, tuberculosis 110, whooping cough 17, and measles 124. Total deaths correspond to an annual death rate of 13.54 per 1,000 of population.

TEXAS—*Fort Worth.*—Month of January, 1909. Estimated population, 60,000. Total number of deaths, 74; causes of death not reported. Cases: Diphtheria 2, scarlet fever 7, measles 1.

Month of February, 1909. Total number of deaths, 71; cause of death not reported. Cases: Smallpox 3, diphtheria 12, scarlet fever 2, and tuberculosis 4.

VIRGINIA—*Richmond.*—Annual report for the year 1908. Estimated population, 114,084. Total number of deaths, 2,486, including enteric fever 57 (white 39, colored 18), measles 6, scarlet fever 1, whooping cough 33 (white 12, colored 21), diphtheria 4, and 223 (white 105, colored 118) from tuberculosis. The total number of deaths corresponding to an annual death rate of 21.79 per 1,000 of population (white 17.48 per 1,000, colored 29.21 per 1,000).

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WASHINGTON—*Seattle.*—Month of February, 1909. Estimated population, 276,562. Total number of deaths, 162, including scarlet fever 1, diphtheria 1, and 1 from tuberculosis. Cases: Diphtheria 29, measles 43, enteric fever 9, scarlet fever 22, smallpox 3, tuberculosis 12.

WISCONSIN—*Milwaukee.*—Month of February, 1909. Estimated population, 370,000. Total number of deaths 388, including enteric fever 6, scarlet fever 12, diphtheria 9, and 29 from tuberculosis. Cases: Smallpox 34, tuberculosis 56, diphtheria 62, scarlet fever 112, enteric fever 57, and measles 287.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to April 2, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Jan. 12–Feb. 6	7		
Montgomery	Mar. 13		1	
Tuscaloosa County	Feb. 6–Dec. 31	86		Year 1908.
Total for State		93	1	
Arkansas:				
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		108		
California, general	Nov. 1–Dec. 31		3	
Los Angeles	Dec. 6–Mar. 6	18		
Oakland	Nov. 1–Mar. 21	14		
Sacramento	Nov. 1–Feb. 28	53		
San Francisco	Dec. 13–Mar. 6	28		
Stockton	Nov. 1–30	12		
Total for State		125	3	
Colorado, general	July 1–Feb. 23	109		
District of Columbia:				
Washington	Dec. 28–Feb. 27	7		
Total for District		7		
Georgia:				
Bibb County—				
Macon	Mar. 14–21	1		
Cobb County	Jan. 16–Feb. 7	8		
Paulding County	Jan. 16–Feb. 7	15		
Total for State		24		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Feb. 27	211		
Thebes	Jan. 1–31	2		
Bureau County—				
Ladd	Nov. 1–30	4		
Christian County—				
Taylorville	Aug. 1–Jan. 20	40		
Clinton County—				
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–Mar. 20	9		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		
Fulton County—				
Canton	Jan. 1–31	38		
Cuba	Jan. 1–31	1		
Lewiston	Jan. 1–31	6		
Jackson County—				
Murphrysboro	Jan. 1–31	45	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–31	1		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–Mar. 13	4		
Lake County—				
Waukegan	Feb. 2–26	3		
McLean County—				
Bloomington	Jan. 1–31	5		
Macon County—				
Decatur	Jan. 1–31	8		
Macoupin County—				
Benld	Feb. 15–18	2		
Palmyra	Dec. 25–Jan. 20	4		
Scottsville	Dec. 25–Jan. 20	12		
Marion County—				
Centralia	July 1–Jan. 20	53		
Odin	Jan. 1–31	1		
Sandoval	Jan. 1–31	1		
Mason County	Jan. 1–31			Present in Havana and Quiver townships.
Massac County—				
Metropolis	Jan. 1–31	1		
Mercer County	Jan. 1–31	1		In North Henderson township.
Montgomery County	Jan. 1–31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5–11	1		
Peoria County—				
Peoria	Dec. 20–Mar. 20	31		Present in Glasford and in Timber and Trivoli townships.
Pulaski County	Jan. 1–31			Present in Pulaski.
Mounds	Jan. 1–31	3		
Mound City	Jan. 1–31	7		
Randolph County—				
Percy	Jan. 1–31	1		
St. Clair County—				
Belleville	Dec. 4–20	3		Present in January.
Mascoutah	Jan. 1–31	1		
Millstadt		1		
Saline County—				
Eldorado	Jan. 1–31	1		
Sangamon County—				
Pawnee	Jan. 1–31	2		
Springfield	Mar. 20–26	3		
Schuyler County—				
Browning	Oct. 12–Jan. 20	75		
Tazewell County	Jan. 1–31			Present in Elm Grove township.
Pekin	Jan. 1–31	28		
Vermilion County—				
Danville	Jan. 11–Mar. 21	12		
Williamson County—				
Carterville	Jan. 1–31	2		
Johnston City	Jan. 1–31	1		
Marion	Jan. 1–31	6		
Total for State		660	1	
Indiana:				
Allen County	Dec. 1–31	1		
Fort Wayne	Jan. 10–Feb. 6	4		
Bartholomew County	Dec. 1–31	1		
Benton County	Nov. 1–Dec. 31	4		
Boone County	Nov. 1–Dec. 31	2		
Carroll County	Oct. 1–31	26		
Clay County	Oct. 1–31	8		
Dearborn County	Oct. 1–31	1		
Delaware County	Dec. 1–31	52		
Elkhart County	Oct. 1–Nov. 30	7		
Elkhart	Jan. 17–Mar. 6	8		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-31	1		
Grant County	Dec. 1-31	2		
Union	Feb. 6	5		
Hamilton County	Dec. 1-31	1		
Harrison County	Dec. 1-31	1		
Hendricks County	Nov. 1-Dec. 31	5		
Madison County	Oct. 1-31	1		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-Feb. 28	5		
Miami County	Dec. 1-31	1		
Rush County	Dec. 1-31	24		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-31	1		
St. Joseph County	Dec. 1-31	12		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Dec. 31	77		
Lafayette	Dec. 15-Mar. 22	59	1	
Tipton County	Nov. 1-Dec. 31	2		
Vanderburg County—				
Evansville	Jan. 10-Feb. 20	10		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-31	7		
Wayne County	Nov. 1-30	8		
Total for State		353	1	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Council Bluffs	July 1-Feb. 28	32	2	
Dubuque	Oct. 1-Jan. 31	87	1	
Total for State		120	5	
Kansas:				
Atchison County—				
Atchison	Dec. 20-Jan. 16	2		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Dec. 31	45		
Crawford County—				
Pittsburg	Nov. 1-Dec. 31	107		
Franklin County	Dec. 1-31	1		
Harvey County	Nov. 1-Dec. 31	4		
Jackson County	Nov. 1-Dec. 31	95		
Jefferson County	Dec. 1-31	2		
Jewell County	Dec. 1-31	2		
Montgomery County	Nov. 1-Dec. 31	18		
Nemaha County	Dec. 1-31	2		
Phillips County	Dec. 1-31	2		
Pottawatomie County	Nov. 1-Dec. 31	36		
Pratt County	Dec. 1-31	20		
Reno County	Nov. 1-Dec. 31	3	1	
Riley County	Nov. 1-30	2		
Saline County	Nov. 1-Dec. 31	31		
Sedgwick County—				
Wichita	Mar. 7-20	7		
Shawnee County	Nov. 1-Dec. 31	6		
Topeka	June 7-Mar. 20	101		
Sheridan County	Dec. 1-31	9		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Dec. 31	7		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-Mar. 20	30		
Total for State		546	1	
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Covington	Dec. 29-Mar. 27	22		
Fulton	Feb. 1-Mar. 22	27		
Georgetown	Dec. 2-Mar. 4	31		
Henderson		7		Jan. 1-June 30, 1908.
Lexington	Dec. 28-Mar. 20	39		
Newport	July 1-Mar. 20	54	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24-Mar. 7	42		
Total for State		422	2	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Louisiana:				
Alexandria	Feb. 1-28	9		
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20-Mar. 20	25		
Shreveport	Jan. 1-20	32	1	
Total for State		96	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-Feb. 6	94		
Total for State		145		
Maryland:				
Baltimore	Jan. 30-Feb. 6	1		
Total for State		1		
Massachusetts:				
Boston	Mar. 14-20	2		
Haverhill	Mar. 14-20	1		
Lawrence	Mar. 7-13	1		
New Bedford	Jan. 30-Mar. 13	3	1	
Taunton	Jan. 3-9	1		
Total for State		8	1	
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31	1		
Ingham County—				
Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County—				
Grand Rapids	Jan. 24-Feb. 20	2		
Lapeer County	Dec. 1-31	2		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-Mar. 20	6		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Mar. 27	7		
Wexford County	Dec. 1-31	2		
Total for State		74		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 20-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Jan. 31	43		Mar. 1-Mar. 13, 13 cases.
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicolett County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec 7	2		
St. Paul	Oct. 6-Dec. 13	57		
Renville County	Dec. 1-7	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
St. Louis County—				
Duluth	Nov. 9-Jan. 22	3		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Saseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-30	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-Feb. 28	8		
Yellow Medicine County	Oct. 20-26	1		
Total for State		263		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-Mar. 20	12		
Liberty	Jan. 15-Mar. 11	20		
Rich Hill	Dec. 5-31	4		
St. Joseph	Dec. 1-31	1		
St. Louis	Dec. 20-Mar. 20	21		
Springfield	Nov. 1-Feb. 28	3		
Total for State		61		
Montana:				
Cascade County	Nov. 1-30	4		
Flathead County	Nov. 1-30	1		
Gallatin County	Nov. 1-30	13		
Bozeman	Nov. 1-30	15		
Jefferson County	Nov. 1-30	4		
Ravalli County	Nov. 1-30	4		
Silverbow County	Nov. 1-30	5		
Butte	Dec. 2-Mar. 16	27		
Yellowstone County	Nov. 1-30	1		
Total for State		74		
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1-Feb. 28	16		
South Omaha	Dec. 20-Feb. 27	11		
Total for State		27		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
West Lebanon	Jan. 15-Feb. 7	2		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21-Mar. 6	3		
New Brunswick	Mar. 7-20	2		
Plainfield	Mar. 7-20	3		
Perth Amboy	Mar. 4-24	18		
Total for State		26		
New York, general	Nov. 1-Dec. 31	75	1	
Buffalo	Feb. 14-Mar. 20	4		
Mohawk Valley			1	Year 1908.
New York	Feb. 21-Mar. 13	2	1	
Niagara Falls	Feb. 7-13	1		
Rome	Jan. 1-31	1		
Schenectady	Feb. 7-13	1		
Syracuse	Jan. 9-31	3		
Total for State		87	3	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina:				
Ashe County	Jan. 1-31	7		
Bertie County	Nov. 1-30	1		
Camden County	Jan. 1-31	30		
Catawba County	Nov. 1-Dec. 31	4		
Currituck County	Nov. 1-Jan. 31	34		Present to Dec. 31.
Duplin County	Dec. 1-Jan. 31	60		
Edgecombe County	Dec. 1-31	1		
Johnston County	Nov. 1-Jan. 31	13		
Jones County	Jan. 1-31	3		
Lenoir County	Dec. 1-31	20		
Lincoln County	Dec. 1-31	1		
Madison County	Jan. 1-31	2		
Nash County	Jan. 1-31	1		
New Hanover County— Wilmington	Jan. 22-Mar. 1	4		Imported.
Pasquotank County	Nov. 1-Jan. 31	79		
Pitt County	Jan. 1-31	2		
Sampson County	Jan. 1-31	22		
Scotland County	Jan. 1-31	6		
Wayne County	Jan. 1-31	20		
Total for State		310		
North Dakota	July 1-Feb. 19	168		
Ohio, general	June 14-Jan. 2	337		
Cincinnati	Dec. 12-Mar 19	180	1	
Cleveland	Feb. 28-Mar. 26	3		
Columbus	Dec. 26-Mar. 2	14		Revised. 3 cases addition. in Sept. and Oct.
Dayton	Jan. 24-Feb. 20	5		
Newark		3		Year 1908.
Tiffin	Jan. 3-23	2		
Total for State		544	1	
Oregon:				
Clackamas County	Sept. 1-30	1		
Harney County	Sept. 1-30	1		
Jackson County	Oct. 1-Dec. 31	9		
Lane County	Dec. 1-31	10		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Dec. 31	4		
Multnomah County	Dec. 1-31	5		
Portland	Nov. 1-Jan. 31	76		
Polk County	Sept. 1-Dec. 31	9		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-Dec. 31	6		
Wallowa County	Oct. 1-31	1		
Washington County	Oct. 1-Dec. 31	23		
Yamhill County	Sept. 1-Dec. 31	17		
Total for State		168		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Castle	Feb. 1-28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 19-25	1		
Pittsburg	Dec. 13-19	1		Imported.
Prompton	Jan. 2-Feb. 10	3		
Total for State		11		
South Carolina:				
Winnsboro	Feb. 1-28	5		
Total for State		5		
South Dakota:				
Aberdeen	May 1-Jan. 31	43		
Total for State		43		
Tennessee:				
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28-Mar. 20	18		
Memphis	Jan. 1-Mar. 13	137	1	
Nashville	Dec. 20-Mar. 27	42		
Polk County	Jan. 22	30		
Total for State		330	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Texas:				
Cost	Oct. 1–Dec. 19			Present.
Cotulla	Jan. 25–Feb. 17			Do.
Denton County	Jan. 1–Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10–Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1–28	3		
Galveston	Mar. 6–12	1		
Goliad County	Dec. 1–Jan. 20	25		
Houston	Jan. 1–Mar. 6	4		
Laredo	Dec. 26–Mar. 19	6		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–Mar. 20	76		
San Augustine County	Jan. 5			Do.
Total for State		400	1	
Utah:				
Cache County	Jan. 1–31	41		
Davis County	Nov. 1–Jan. 31	26		
Garfield County	Dec. 1–Jan. 31	25		
Millard County	Jan. 1–31	1		
Salt Lake County	Dec. 1–Jan. 31	136		
Salt Lake City	Dec. 1–Feb. 28	272	1	
Sanpete County	Dec. 1–31	1		
Sevier County	Jan. 1–31	2		
Summit County	Dec. 1–Jan. 31	31		
Utah County	Dec. 1–31	1		
Weber County	Nov. 1–Jan. 31	3		
Total for State		539	1	
Vermont:				
Brattleboro	Dec. 5–Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October.
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Richmond	Mar. 14–20	1		
Total for State		11		
Washington:				
Camas	Dec. 29–Mar. 8	18		
Seattle	Oct. 1–Feb. 28	18		
Spokane	Dec. 6–Mar. 20	12	1	
Tacoma	Dec. 14–Mar. 14	60		
Total for State		108	1	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville				Present in January.
Weston	Jan. 15–Feb. 13	1		
Total for State		2		
Wisconsin:				
Adams County	July 1–Sept. 30	3		
Barron County	July 1–Sept. 30	1		
Chippewa County	July 1–Sept. 30	6		
Dane County	July 1–Sept. 30	1		
Dodge County	July 1–Sept. 30	1		
Douglas County	July 1–Sept. 30	28		
Dunn County	July 1–Sept. 30	1		
Fond du Lac County	July 1–Sept. 30	3		
Green County	July 1–Sept. 30	2		
Iron County	July 1–Sept. 30	2		
Kewaunee County	July 1–Sept. 30	1		
La Crosse County—				
La Crosse	Dec. 13–Mar. 20	37		
Milwaukee County—				
City of Milwaukee	Dec. 6–Mar. 13	134		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin—Continued.				
Manitowoc County—				
Manitowoc	Dec. 13–Feb. 27	14		
Marathon County	July 1–Sept. 30	2		
Monroe County	July 1–Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6–20	2		
Ozaukee County	July 1–Sept. 30	3		
Pierce County	July 1–Sept. 30	4		
Polk County	July 1–Sept. 30	1		
Racine County—				
Racine	Mar. 21-27	5		
Rusk County	July 1–Sept. 30	3		
Sheboygan County	July 1–Sept. 30	32		
Total for State		298		
Grand total for the United States		6,583	23	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths	Cases.	Deaths.
Altoona, Pa.	Mar. 20	38,973	11					1		3					
Ann Arbor, Mich.	Mar. 13	14,509	4		2							2		2	
Appleton, Wis.	Mar. 20	15,085	1	1	1										
Ashtabula, Ohio	do	12,949	7					1		3					
Auburn, N. Y.	Mar. 6	30,345	8	1	2	2				2					
Do	Mar. 13	30,345	14	2	1		1							2	
Baltimore, Md.	Mar. 20	508,957	212	17	41	5		9		22	4	110	1	7	
Bayonne, N. J.	do	32,722		1				3				6			
Berkeley, Cal.	Mar. 13	13,214	13	2	2			2		2		4			
Biddeford, Me.	Mar. 20	16,145	3												
Binghamton, N. Y.[a]	Mar. 6	38,647	18				1								
Do	Mar. 20	38,647	12								1				
Boston, Mass.	do	560,892	243	44	20	3		58	1	64	4	53	2	14	2
Braddock, Pa.	do	15,654	5			4	1								
Bradford, Pa.	do	15,029	2					2							
Bristol, R. I.	do	6,901	3	1										1	
Brockton, Mass.	do	40,063	8	1				2				127		5	
Burlington, Vt.	do	18,641	11	1	1	1				2		12			
Butte, Mont.	Mar. 16	30,470	10		1			7		6					
Cambridge, Mass.	Mar. 20	91,886		6	7	3		16		3	1	22		7	
Camden, N. J.	do	75,935	37					2		14	1				
Camden, S. C.	do	2,441										2			
Carbondale, Pa.	do	13,536	7												
Charlotte, N. C.	Mar. 19	18,091	14	1				2	1			6		1	
Chelsea, Mass.	Mar. 20	34,072	13			1		1							
Chicago, Ill.	do	1,698,575	711	100	98	36	8	144	11	116	19	119	1	18	2
Chicopee, Mass.	Mar. 20	19,167	6		2										
Cincinnati, Ohio	Mar. 12	325,902	116	9	14	1		11		7	1	5		3	
Do	Mar. 19	325,902	138	20	18	5	5	11		6	1	8		3	
Cleveland, Ohio	do	381,768	137	19	16	9	1	10		22	3	24		26	
Clinton, Mass.	Mar. 20	13,667	3							2		1			
Columbus, Ga.	do	17,614	3												
Columbus, Ohio	do	125,560	53	7	7	2		4				9		1	
Concord, N. H.	Mar. 13	19,632	8					1		4		6			
Covington, Ky.	Mar. 20	42,938	14							1					
Danville, Ill.	Mar. 21	16,534	5		1			4				1			
Davenport, Iowa	Mar. 13	35,254		1	3	2		1				2			
Do	Mar. 20	35,254				1			1	1		2			

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever		Diphtheria		Measle		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Dayton, Ohio	Mar. 20	85,333	28		4	1						22			
Detroit, Mich	do	285,704	147					9	1	15	2				
Duluth, Minn	Mar. 18	80,000	17	1	3		2	7		4					
Dunkirk, N. Y	Mar. 20	11,616	3			1		2		3		1		5	
Elmira, N. Y	do	35,672	13	2						2		6			
El Paso, Tex	Mar. 16	15,905	22		5	2	1			2					
Elkhart, Ind	Mar. 20	15,184	9									6			
Erie, Pa	do	52,733	18	4	1	2		7		1		3		11	
Evansville, Ind	do	59,007	18	2	5	1	1	2							
Everett, Mass	do	24,336	6	1				5		1		2			
Fall River, Mass	do	104,863	35	2	2			6		5	1	6		2	
Fitchburg, Mass	do	31,531	6							2		12			
Fort Wayne, Ind	do	45,115	17		2			3		1		1			
Galesburg, Ill	Mar. 13	18,607	6					1		1					
Do	Mar. 20	18,607	8					1		1					
Galveston, Tex	Mar. 12	37,789	8			2		2		4					
Do	Mar. 19	37,789	9	2		5		2		1					
Glens Falls, N. Y	Mar. 20	13,543	9	1	1							1			
Gloucester, Mass	do	26,121	8		1										
Grand Rapids, Mich	do	87,565	25	3	2	1		20				3	1	3	
Great Falls, Mont	do	14,930	4					6	1						
Greensboro, N. C	do	10,035	2												
Greenville, S. C	Feb. 20	11,860	5					1							
Do	Mar. 20	11,860	3					1							
Hammond, Ind.[a]	Feb. 27	12,376	4		1										
Do	Mar. 6	12,376	5			2						2			
Do	Mar. 20	12,376				1						2			
Harrison, N. J	do	10,596	2					1		3	1				
Hartford, Conn	Mar. 14	79,850	24	3	4	1	1	3		10	1	1			
Haverhill, Mass	Mar. 20	37,175	13	1	3	1		2		5	1			4	
Hoboken, N. J	do	59,364						2		3		2			
Homestead, Pa	Mar. 21	12,554	9		1	1						8			
Houston, Tex	Mar. 6	44,633	14		2			1		2					
Do	Mar. 13	44,633	20		1			2		1					
Hyde Park, Mass	Mar. 19	13,244	5			1		1				2			
Indianapolis, Ind	Mar. 21	169,164	84		9	2	1	4		2		58			1
Jacksonville, Fla	Mar. 20	28,429	21		1		1								
Johnstown, Pa	do	35,936	18		1		1	10		3		6			
Kansas City, Kans	Mar. 13	51,418	20	3	4	4		4		1					
Do	Mar. 20	51,418	40	2	6	1	2	1		1		4		4	1
Kansas City, Mo	Mar. 13	163,752	51	4	4	5	1	5		2	1	3		2	
Do	Mar. 20	163,752	41	3	7	4		7		5		7		2	
Kearny, N. J	Mar. 20	10,896	1							1					
Kingston, N. Y	do	24,535	6				2								
Knoxville, Tenn	Mar. 13	32,637	11	3	3							14			
Do	Mar. 20	32,637	16	4	4					1	1	19		1	1
La Crosse, Wis	Mar. 13	28,895	9		1										
Do	Mar. 20	28,895	5		1	1									
La Fayette, Ind	Mar. 15	18,116	2									1			
Do	Mar. 22	18,116	9		1					1		4			
Lancaster, Pa	Mar. 20	41,459	21		2			4							
Lawrence, Mass	Mar. 13	62,559	27	2	2	6	1	1		5	1	14			
Do	Mar. 20	62,559	44		6	1		3		10	2	17			
Lebanon, Pa	do	17,628	7		2							5			
Lexington, Ky	Mar. 13	26,369	16		5									4	
Do	Mar. 20	26,369	15		4			1						3	
Los Angeles, Cal	Mar. 6	102,479	68	12	15	5		31	1	8		9			
Do	Mar. 13	102,479	79	15	15	1		17		3		4			
Lowell, Mass	Mar. 20	94,969	38	2	3	2		3				5		1	
Lynchburg, Va	do	18,891		3		1		1		1	1				
Lynn, Mass	do	68,513				2		2		12	1	4			
Macon, Ga	Mar. 21	22,746	5		1										
Malden, Mass	Mar. 20	33,664	12	1	1			2		4		3			1
Manchester, N. H	do	56,987	18	1	1	2		1		5					
Manitowoc, Wis	do	11,786	4					3				10			
Marinette, Wis	do	16,195	3												
Marion, Ind	do	17,337	4		1			1				1			
Marlboro, Mass	do	13,609	6		1										
Massillon, Ohio	do	11,944	7												

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Medford, Mass	Mar. 20	18,244	9	1	2			3		1					
Melrose, Mass	do	12,962	5									2		2	
Milwaukee, Wis	Mar. 6	285,315	92	14	14	21	4	19	1	10	1	116	2	5	
Do	Mar. 13	285,315	109	27	11	16	3	17		19	3	62	5	4	
Minneapolis, Minn	do	202,718	82	13	5	1	4	29	4	21					
Montclair, N. J	Mar. 20	13,962	6	2	1			1		1		15			
Montgomery, Ala	Mar. 19	30,346	21												
Moline, Ill	Mar. 21	17,248	5		1			5				11			
Morristown, N. J	Mar. 20	13,000	6					9							
Mount Vernon, N. Y	do	21,228	3							1		21			
Muncie, Ind	do	20,942	9		1	1						3			
Nanticoke, Pa	Mar. 21	12,616	3							5		8			
Nashville, Tenn	Mar. 20	80,865	34	3	4	2	1			1					
Nebraska City, Nebr	do	7,200	2												
Newark, N. J	do	246,070			17	3		61	2	31	2		1		
New Bedford, Mass	do	63,442	31	8	4			11						1	
New Brunswick, N.J.	Mar. 13	20,006						2							
Do	Mar. 20	20,006						3							
Newburyport, Mass	do	14,478	4		1					1	1				
New London, Conn	do	17,548	9		3							2			
New Orleans, La	Mar. 13	278,104	134	29	15	16	2	68	3	4					
Do	Mar. 20	278,104	134	21	11	8	1	105	3	5					
Newport, Ky	Feb. 6	28,301	5					1		2					
Do	Feb. 13	28,301	12		2										
Do	Feb. 20	28,301	7		2										
Do	Feb. 27	28,301	15		1										
Do	Mar. 6	28,301	15												
Do	Mar. 13	28,301	4												
Do	Mar. 20	28,301	10												
Newton, Mass	do	33,587	15					7	1	3		6			
New York, N. Y	Mar. 13	3,437,202		485	188	30	6	438	26	357	46	829	22	83	6
Do	Mar. 20	3,437,202	1,581	551	188	23	5	386	25	372	52	922	21	117	8
Niagara Falls, N. Y	do	19,457	8	2	1	4		3		3	1	1			
Norristown, Pa	do	22,265	4	3						1		3		1	
North Adams, Mass	do	24,200	13					2							
Northampton, Mass	do	18,643	6					2				27			
Oakland, Cal	Mar. 7	66,960	42	2	5			2		5		12			
Do	Mar. 14	66,960	35	1	6	1	2	5		1		12			
Orange, N. J	Mar. 20	24,141	8	4	1			1		1					
Ottumwa, Iowa	do	18,197	5		1	1						1			
Paducah, Ky	Mar. 13	19,446	11	1	1										
Palmer, Mass	Mar. 20	7,801	4												
Peekskill, N. Y	do	10,358	4												
Peoria, Ill	Feb. 20	56,100	26	18	2	2		1		3					
Do	Feb. 27	56,100	21	16		2		1		3					
Do	Mar. 6	56,100	16	16						3					
Do	Mar. 13	56,100	25	16				1		3					
Do	Mar. 20	56,100	10	15	1					3					
Philadelphia, Pa	Mar. 13	1,293,697	555	162	83	27	5	78	2	63	14	173	7	25	3
Pittsburg, Pa	Mar. 20	321,616	160	23	16	12	3	18		4	1	40		20	2
Pittsfield, Mass	do	21,766	6	2				1		2					
Plainfield, N. J	Mar. 13	15,369	9	2	1			4		4	1				
Do	Mar. 20	15,369	4	2				3			1				
Plymouth, Pa	Mar. 20	13,649						2		2		6			
Port Huron, Mich	Feb. 13	19,158	9							1					
Do	Feb. 20	19,158	5					2							
Do	Feb. 27	19,158	4					8		3					
Do	Mar. 6	19,158	6									1			
Do	Mar. 13	19,158	9												
Do	Mar. 20	19,158	5	1	1										
Portsmouth, N. H	do	10,637			1										
Portsmouth, Va	Mar. 23	17,427	4									2			
Pottstown, Pa	Mar. 20	13,696	4	1	1										
Providence, R. I	do	175,597	71	2	7	1		11		7	1				1
Quincy, Mass	Mar. 6	23,899	11	1	1	2		2		2		2			
Do	Mar. 13	23,899	8	4				2		3		2			
Do	Mar. 20	23,899	10	1	2			2		4		3			
Racine, Wis	do	29,102	19		1			1							
Reading, Pa	Mar. 22	78,961	25		2	4		2							1
Richmond, Va	Mar. 20	85,050	54		11	4	1			2		1			
Rockford, Ill	do	31,051						1							

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
St. Louis, Mo.	Mar. 20	575,238	207	47	30	4	2	29	1	37	5	260	5	12	1
San Antonio, Tex.	...do...	53,321				1						1			
Sandusky, Ohio	Mar. 6	19,664	6			5	1								
Do	Mar. 13	19,664	11		1	3									
Do	Mar. 20	19,664	2			4						2			
San Francisco, Cal.	Mar. 13	342,782	145	40	19	5	1	14		12		89	4	11	1
Scranton, Pa.	...do...	102,026	36			1		13	2	4		19			
Do	Mar. 20	102,026	40	2	1	1		12	1	6	1	11		1	
Schenectady, N. Y.	...do...	31,682	21	4	2			4				5			
Shamokin, Pa.	Mar. 20	18,202	6	4				2				38	2		
Somerville, Mass.	...do...	61,643	25	3	2			9	1	11	2	3			
South Bend, Ind.	...do...	35,999	22	3	3							11	1		
So. Bethlehem, Pa.	Mar. 22	13,241	5	4	1		1	2		1		3			
Spokane, Wash.	Mar. 13	38,848	29		1	1	2	10	1	9	2	37			
Springfield, Ill.	Mar. 19	34,159	15							4					
Springfield, Mass.	Mar. 20	62,059	37	4	1	2	2	1		4		5		2	
Springfield, Ohio	...do...	38,253	10	4				1		1		1			
Steelton, Pa.	...do...	12,068	4	1	1					1	1	1			
Superior, Wis.	...do...	31,091	8				1	13	1	2					
Tacoma, Wash.	Jan. 31	37,714	15	1	3	1	1	6	1	2					
Do	Feb. 7	37,714	26	2	4	2	1	1	2	8					
Do	Mar. 14	37,714	21		3			3				3			
Taunton, Mass.	Mar. 20	31,036	14	1	3										
Terre Haute, Ind.	...do...	36,673	19		1					2					
Titusville, Pa.	...do...	8,244	3												1
Toledo, Ohio	Mar. 6	131,822	41		2	16		5	2	4					
Do	Mar. 13	131,822	40	1	3	8	1	3		5		3			
Do	Mar. 20	131,822	31	1	5	5	2	4		6	1	2			
Topeka, Kans.	...do...	33,608	20					4		1					
Trenton, N. J.	...do...	73,307		2		8		2		2					
Waltham, Mass.	...do...	23,481	9		1			3		3		5			
Washington, D. C.	...do...	278,718	151	33	16	10	1	13	1	7	1	478	4	16	1
Wheeling, W. Va.	...do...	38,878	14		2	1				2		2	2		
Wichita, Kans.	Mar. 13	24,671						3		2		2			
Do	Mar. 20	24,671						2		2		10			
Wilkes-Barre, Pa.	Mar. 19	51,721	23		2			2		6	1	53		2	
Wilkinsburg, Pa.	Mar. 21	13,000	3			1		1				4			
Williamsport, Pa.	Mar. 20	28,757	12					1		1					
Wilmington, Del.	...do...	76,508	38		6		1								
Winona, Minn.	Feb. 23	19,714	1												
Do	Mar. 23	19,714	7												
Woburn, Mass.	Mar. 20	14,254	7												
Worcester, Mass.	Mar. 13	118,421	44	16	2	1		4		4		1		2	
York, Pa.	Mar. 20	33,708		1				4		8				2	
Zanesville, Ohio	...do...	23,538	9		1	11	1			2					

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FOREIGN AND INSULAR.

ALGERIA.

Deratization at Algiers and other localities—Rat fleas.

The following is taken from the *Bulletin Bimensuelle*, Algiers, February 16 and 28:

Algiers.—February 1–15: Rodents taken by the maritime sanitary service, 228; examined by the laboratory of health, 70; result, negative. Classification of rats: *Mus norvegicus*, 105; *Mus rattus*, 76; *Mus musculus*, 47. Rat fleas determined—*Pulex cheopis*, on *Mus norvegicus*, 16; *Ctenopysylla musculi*, on *Mus rattus*, 5.

February 16–28: Rodents taken by the maritime sanitary service, 239; examined by the laboratory of health, 55; result, negative. Classification of rats: *Mus norvegicus*, 133; *Mus rattus*, 66; *Mus musculus*, 40. Rat fleas determined—*Pulex cheopis*, on *Mus rattus*, 14; *Ceratophyllus fasciatus*, on 1 *Mus rattus*, 5.

Dellys.—Month of January, 1909. Rodents taken 82; 63 in city and 19 on wharves.

Oran District.—Month of January, 1909. Rodents taken, 749; examined, 232; result, negative.

Philippeville District.—Month of January, 1909. Rodents taken, 25; examined, 20; in the city, 22, of which 18 were *Mus norvegicus* and 4 *Mus rattus*; on vessels, 3, of which 2 were *Mus norvegicus* and 1 *Mus alexandrinus*.

Ténés.—Month of January, 1909. Rodents taken, 57; on wharves and in wharf warehouses.

AZORES.

Report from St. Michaels—Plague on islands of Fayal and Terceira—Quarantine maintained on island of St. Michaels.

Consul Creevey reports, March 13:

The island of Fayal is still infected with plague, although no new cases or deaths were reported during the month of February. The official returns for the month of February for the island of Terceira show 15 new cases and 5 deaths of plague. Strict quarantine is maintained on the island of St. Michaels against the islands of Fayal and Terceira.

BRAZIL.

Report from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox.

Acting Assistant Stewart reports, February 26 and March 4:

Week ended February 21. Vessels inspected and received bills of health: February 15 the Norwegian steamship *Polarstjernen*, for New

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York, with coffee, no passengers and no change in the personnel in this port; February 16 the German steamship *Seiglinde*, for New York, with coffee, 1 cabin passenger and 18 steerage passengers and no change in the crew personnel; February 19 the Belgian steamship *Calderon*, for New York, with coffee, no passengers from this port, and with 1 new member of the crew signed on in this port.

Week ended February 28. Vessels inspected and received bills of health: February 22 the British steamship *Voltaire*, for New York, in cargo of coffee, with 6 cabin passengers for New York from this port and no change in the personnel of the crew; and February 23 the U. S. S. *Solace* granted a bill of health without inspection, this vessel sailing from here for the port of Charleston, S. C.; all crew well at time of departure.

No other vessels left for United States ports during the weeks named.

Mortality in Rio de Janeiro—Plague and smallpox.—Week ended February 21. Total estimated population, 811,443; census population, 1907, 628,675. Total deaths for the week, 301. No deaths due to yellow fever and no cases reported. Plague caused 1 death with 1 new reported case. Smallpox caused 17 deaths with 14 new reported cases, of which number 1 occurred in the suburban zone. At the close of the week there were in the Hospital São Sebastião 40 cases of smallpox and 3 cases of plague, and in the Hospital Engenho do Dentro, 6 cases of smallpox under treatment.

Week ended February 28. Total deaths, 302. No deaths caused by yellow fever and no cases reported. Smallpox caused 5 deaths with 19 new reported cases, of which number 1 occurred in the suburban district. Plague caused no deaths, with 3 new reported cases. At the close of the week there were in the Hospital São Sebastião 34 cases of smallpox and 3 cases of plague under observation. In the other hospitals for infectious diseases there were no occupants, an occurrence unknown here for over 7 months.

CHINA.

Report from Hongkong—Quarantine restrictions—Smallpox—Inspection of vessels—Examination of emigrants.

Temporary Acting Assistant Surgeon Gröne reports, February 13:

Week ended January 30. Restrictions enforced by Hongkong against Singapore have been withdrawn. Restrictions enforced against Hongkong remain as reported on December 26, 1908.

Quarantinable diseases: Smallpox, 1 case. Vessels inspected and granted bills of health, 6. Aliens for Honolulu and Pacific coast ports: Examined, 76; rejected 9. Aliens for Philippine Islands: Examined, 14; rejected, 6.

Report from Shanghai—Inspection of vessels—Smallpox—Plague in rats—Measures for rat destruction—Smallpox at Tientsin—Plague outbreak in northern China.

Acting Assistant Surgeon Ransom reports, February 16:

Week ended February 13. Supplemental bill of health granted to 1 steamship with an aggregate personnel of 176. This vessel, the

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Nippon Maru, Hongkong to San Francisco, remained in the stream at Woosung while in this port, and was loaded from lighters during daylight only. Inspection was held on the tender immediately prior to her departure for the ship. Manifests were viséed for 4,799 pieces of freight.

The weekly report of the municipal health department shows, among Chinese, 1 death from smallpox.

Plague-infected rats continue to be found in all sections of the settlement. There have been discovered up to the present time 91 separate foci of infection. The disease continues to prevail among rats in the Hongkew district in the vicinity of the wharves. There have been no human cases of plague reported.

Copy of communication from the French consul-general showing what measures have been adopted in the French concession toward preventing an outbreak of plague, is inclosed.

Reports from Tientsin show for the week ended January 30, smallpox 5 cases, with 1 death, the Austro-Hungarian, Japanese, and British concessions reporting.

Plague has again broken out in the vicinity of the coal mines at Tongshan in northern China. No information has been received as to measures adopted to combat the disease.

[Inclosure.]

No case of plague has been discovered in the French concession. A circular was sent out December 26, 1908, to all proprietors of hotels and godowns, as well as to the shipping companies in the concession, asking them to second the efforts made by the council by collecting the rats found dead on their premises, and to send such rats to the sanitary authorities for examination. This circular was accompanied by instructions relative to the collection and handling of dead rats. A Chinese translation of these instructions was sent to the Chinese newspapers, and 5,000 copies were posted in the streets and alleyways of the concession.

Six gangs of coolies, armed with the necessary receptacles and antiseptics, each morning collected the rats. This system was put in operation December 28, and has been carried out each day.

January 31 92 rats were found and necropsied in the laboratory. None presented evidences of plague.

CUBA.

Reports from Habana—Inspection of vessels.

Passed Assistant Surgeon Amesse reports, March 22:

Week ended March 20.

Vessels inspected	25
Bills of health issued	29
Members of crews of outgoing vessels inspected	1,350
Passengers of outgoing vessels inspected	1,010

No quarantinable disease was reported in Cuba during this period.

Smallpox on steamship Monterey at Habana.

The following was received from Acting Assistant Surgeon Villoldo, March 29:

One passenger arrived from Mexico March 22 on steamship *Monterey* developed smallpox on March 25. Case confirmed March 28. *Monterey* now in New York.

The *Monterey* left Veracruz March 18.

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[illegible]

[illegible] vessels clear- [illegible]

[illegible]

[illegible] vessels bound [illegible] of leprosy, of [illegible] reported during [illegible]

[illegible] Hilo for [illegible]

[illegible] March [illegible]

[illegible]

[illegible]

Total rats taken	
Trapped	704
Found dead (Mus rattus)	703
Examined bacteriologically	1
Plague infected	598
Classification of rats trapped:	0
Mus alexandrinus	
Mus musculus	149
Mus norvegicus	299
Mus rattus	118
Average number of traps set daily	138
Number of poisons placed	1,556
Rats from Hilo referred to this laboratory [illegible]	164
Rats from Hilo still under investigation	3
Rats from Hilo proved to be plague infected [illegible]	3
Last rat known to be plague infected:	0
Oahu; August 22, 1907.	
Hawaii (Hilo); February 5, 1909.	

[illegible]

Week ended [illegible]

Total rats taken	
Trapped	102
Found dead	93
Examined by agent of board of health	9
Classification of rats:	96
Mus alexandrinus	
Mus musculus	7
Mus norvegicus	15
Mus rattus	32
Rat holes fumigated with carbon bisulphide	48
Poisons placed	110
Poisons eaten	9,897
Average number [illegible]	311
[illegible]	1,050

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INDIA.

Report from Calcutta—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, February 25:

Week ended February 20. No transactions.

Week ended February 13: At Calcutta there were 17 deaths from cholera, 12 from plague, and 171 from smallpox; in Bengal, 275 cases and 247 deaths from plague.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, March 8:

Vessels inspected at Naples, Palermo, and Genoa. Week ended March 6.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 1	Lazio	New York	1,049	70	1,450
2	Virginia	do	1,203	60	1,380
3	Pannonia	do			
4	Europa	do	1,561	50	1,750
5	San Giorgio	do	1,535	40	850
5	Barbarossa	do	1,020	60	1,680
6	Bayonne	Philadelphia			
6	Venezia	New York	1,413	120	1,750
6	Finland	do	1,354	110	1,820
	Total		9,135	510	10,680

PALERMO.

Mar. 3	Lazio	New York	940	947	378

GENOA.

Mar. 1	Duca di Genova	New York	1,461	115	1,280

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Measles.	Other causes.	Total.
Mar. 1	Lazio	19	2	23	2		7	53
2	Virginia	68	2	29	2		7	108
3	Pannonia							
4	Europa	29	4	15			8	56
5	San Giorgio	10	3	7			8	28
5	Barbarossa	20	1	6		1	5	33
6	Bayonne							
6	Venezia	26	4	14			6	50
6	Finland	24	1	11			6	42
	Total	196	17	105	4	1	47	370

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Rejections recommended—Continued.

PALERMO.

Date.	Name of ship.	Trachoma.	Favus.	Suspected Trachoma.	Suspected favus.	Measles.	Other causes.	Total.
Mar. 3	Lazio	31		31			3	65

GENOA.

Mar. 1	Duca di Genova	8		6			1	15

Smallpox in Naples.—During the week ended March 6, 15 cases of smallpox were reported at the health office of the city of Naples.

Status of smallpox in Italy.—Week ended February 28. Procida (Naples), 1 case; Palermo, 4 cases. Week ended March 7. Varzo (Novara), 1 case; Verona, 1 case; Parma, 4 cases; Montemarano, 1 case; Ospedaletto (Avellino), 2 cases.

JAPAN.

Report from Yokohama—Examination of emigrants.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Aki Maru* February 17 for Seattle recommended for rejection, 1; held for observation, 11.

Rejection and detention were for trachoma.

Report from Nagasaki—Examination of emigrants.

Acting Sanitary Inspector Thompson reports, February 20:

One emigrant per steamship *Siberia* for San Francisco recommended for rejection.

MEXICO.

Report from Coatzacoalcos—Inspection and fumigation of vessels—Smallpox at Acayucan on Coatzacoalcos River.

Acting Assistant Surgeon Thompson reports, March 18:

Week ended March 17. Bills of health were issued after inspection to 2 steamships bound for ports of the United States. One vessel was fumigated.

No cases of any quarantinable disease have been reported. Smallpox is reported present at Acayucan, which is on the Coatzacoalcos River, situated about 1 mile distant from Minatitlan and 25 miles from this place.

Report from Mexico City—Yellow fever in vicinity of Maxcanu.

The following is received from Doctor Liceaga, president of the Superior Board of Health of Mexico, under date of March 22:

During the week ended March 20, 2 cases of yellow fever, with 1 death, occurred at San Bernardo, 9 kilometers distant from Maxcanu.

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Report from Veracruz—Sanitary inspection work—Petrolization of water deposits.

Consul Canada reports, March 9:

Under the supervision of the local board of health 34,808 visits were made during the month of January to persons not immune to yellow fever. There were 2,432 arrivals in the city and 2,360 departures, leaving an increase for the population of 72 persons. Passengers on the several railways were inspected to the number of 12,963. Dwellings inspected, 164.

Petroleum was used on 2,398 vessels containing water in which larvæ of mosquitoes were found. Petroleum to the amount of 1,440 liters was used on water puddles in the streets. Fifty tenements were cleansed and 6 proprietors of buildings were notified to attend to various defects in sanitation. Several streets were graded to a higher level.

PERU.

Report from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Smallpox in Lima—Plague in Chile.

Acting Assistant Surgeon Gutierrez reports, March 1:

During the week ended February 20 bills of health were issued to the Chilean steamship *Loa* and to the U. S. S. *Snohomish*. The latter was passed on statement of the medical officer; the former was fumigated. The *Loa* carried a personnel of 87 in the crew and 55 cabin and 45 steerage passengers.

During the week ended February 27 bills of health were issued to the British steamship *Victoria* and to two United States war ships. The *Victoria* was fumigated prior to sailing. The three vessels carried an aggregate personnel of 188 in the crew and 90 cabin and 50 steerage passengers.

The following is the latest report on plague in Peru received from the Director de Salubridad Pública:

Locality.	Cases, February 5.	New.	Recovered.	Died.	Remaining, February 18.
Lima	7	7	2	3	9
Callao	7	5	2	3	7
Surco (Huarochiri)	4	*3	.....	7	3
Trujillo (city and country)	43	13	11	7	38
Chepen	3	2	.....	3	2
San Pedro	4	4	3	4	1
Mollendo	3	2	1	2	2
Catacaos	1	3	.....	.....	4
Chota	11	*2	*1	1	4
Jayanca (Lambayeque)	12	.....	.....	.....	12
Chiclayo	3	12	8	5	2
Cascas	4	19	.....	14	(*)
Lambayeque	4	12	(*)	*1	6
Zaña (Chiclayo)	2	2	.....	.....	4
Piura	1	.....	.....	.....	1

The figures with the sign (*) have been misswired. Since my last report, February 18, only 1 case of plague has occurred in Callao. The municipality is at present cleaning and disinfecting houses.

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Only 1 case of smallpox remains in the lazaretto at Lima.

Bills of health report plague in Chile as follows: Iquique, February 16, 14 cases in the lazaretto; 5 cases and 2 deaths in 2 weeks.

RUSSIA.

Report from Libau—Status of cholera at St. Petersburg—Summary—Organized measures against recurrence of epidemic—Cholera in other localities in Russia.

Acting Assistant Surgeon De Forrest reports, March 12:

Reports from St. Petersburg from March 6 to 11, inclusive, show 43 cases of cholera with 15 deaths. The cases remaining in hospitals in St. Petersburg on March 7 numbered 178. The new barracks will be ready March 14. A corps of physicians is being organized for the fight against cholera in the spring.

Summary of cholera at St. Petersburg.—From the beginning of the epidemic to date there have been 10,161 cases of cholera, 3,977 cholera deaths, and 6,006 recoveries.

Cholera in other localities.—Cholera is present in the small villages in the government of St. Petersburg on the border of Finland. At Jaroslav from beginning of epidemic to March 7, 59 cases and 26 deaths have occurred; at Romanovo-Borissoglebsk, cholera is present; at Charkov, March 10, there were 4 cases taken from train and transferred to hospitals.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

ALGERIA—*Algiers.*—Month of February, 1909. Estimated population, 155,000. Total number of deaths, 327, including enteric fever 4, smallpox 20, diphtheria 1, measles 7, and 44 from tuberculosis.

CHINA—*Kulangsu.*—Period from November 22, 1908, to February 13, 1909. Estimated population, 8,000. Total number of deaths, 21, including enteric fever 2, and 2 from tuberculosis.

COLOMBIA—*Cartagena.*—Month of February, 1909. Estimated population, 30,000. Total number of deaths, 37, including 1 from tuberculosis.

CUBA.—Month of December, 1908. Estimated population, 1,572,797. Total number of deaths, 2,283, including enteric fever 16, measles 12, scarlet fever 3, diphtheria 16, whooping cough 13, yellow fever 1, leprosy 4, and 289 from tuberculosis.

FRANCE—*Calais.*—Month of November, 1908. Estimated population, 80,000. Total number of deaths, 117, including scarlet fever 2, diphtheria 2, whooping cough 1, and 22 from tuberculosis.

Month of December, 1908. Total number of deaths, 123, including enteric fever 2, scarlet fever 4, measles 1, whooping cough 1, and 23 from tuberculosis.

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Month of January, 1909. Total number of deaths, 137, including enteric fever 2, scarlet fever 4, diphtheria 2, measles 4, and 34 from tuberculosis.

Roubaix.—Month of February, 1909. Estimated population, 121,115. Total number of deaths, 232, including diphtheria 2, scarlet fever 4, measles 2, and 32 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended March 6, 1909, correspond to an annual rate of 21.3 per 1,000 population, which is estimated at 16,445,281.

London.—Two thousand one hundred and sixteen deaths were registered during the week, including measles 92, scarlet fever 7, diphtheria 18, enteric fever 1, whooping cough 55, tuberculosis 176, and 10 from diarrhea. The deaths from all causes correspond to an annual rate of 22.8 per 1,000. In Greater London 2,939 deaths were registered. In the "outer ring" the deaths included 18 from measles, 4 from scarlet fever, 7 from diphtheria, whooping cough 6, and 1 from enteric fever.

Ireland.—The average annual death rate represented by the deaths registered during the week ended March 6, 1909, in the 21 principal town districts of Ireland was 22.5 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Newry, viz, 4.2, and the highest in Armagh, viz, 41.2 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended March 6, 1909, correspond to an annual rate of 20.7 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 27.4, and the lowest in Perth, viz, 8.8 per 1,000. The aggregate number of deaths registered from all causes was 738, including diphtheria 6, scarlet fever 5, enteric fever 5, and 67 from whooping cough.

HAWAII—*Honolulu.*—Month of February, 1909. Census population, 39,306. Total number of deaths, 93, including diphtheria 2, and 16 from tuberculosis.

ITALY—*Rome.*—Months of November and December, 1908. Estimated population, 559,715. Total number of deaths, 1,231, including enteric fever 16, diphtheria 7, measles 20, tuberculosis 116, scarlet fever 1, and 1 from whooping cough.

PANAMA—*Panama, Colon, and Canal Zone.*—Annual report for the year 1908. Estimated population, 120,097. Total number of deaths, 2,983, corresponding to an annual death rate of 24.83 per 1,000 of population, including enteric fever 34, malarial fever 291, measles 1, whooping cough 1, diphtheria 7, leprosy 1, beriberi 38, and 359 from tuberculosis. Of the total number of deaths 571 occurred among

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the employees of the Isthmian Canal Commission and Panama Railroad Company, corresponding to an annual death rate of 13.01 per 1,000 of employees, which is estimated at 43,890, of which 8.68 per 1,000 was due to disease and 4.33 per 1,000 to violence.

SPAIN—*Seville.*—Month of February, 1909. Estimated population, 148,315. Total number of deaths, 434, including measles 2, enteric fever 1, diphtheria 3, and 64 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to April 2, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Dec. 5	12	10	
China:				
Hongkong	Dec. 28-Jan. 16	2	2	
India:				
Bombay	Dec. 9-Feb. 23		85	
Calcutta	Nov. 1-Feb. 13		166	
Madras	Nov. 14-Feb. 26		54	
Negapatam	Oct. 31-Feb. 5		5	
Rangoon	Nov. 8-Feb. 20		44	
Indo-China—Cholen	Nov. 9-15	1	1	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1-Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1-Jan. 16	260	163	
Bataan	Nov. 1-7	1	1	
Bohol	Dec. 20-Feb. 6	118	75	
Bulacan	Nov. 1-Jan. 30	88	70	
Cagayan	Nov. 1-Jan. 16	114	67	
Capiz	Nov. 1-Feb. 6	1,229	678	
Cavite	Nov. 1-Jan. 30	107	78	
Cebu	Dec. 20-Feb. 6	21	15	
Ilocos Norte	Nov. 1-Jan. 16	335	235	
Ilocos Sur	Nov. 1-Jan. 2	207	140	
Iloilo	Nov. 1-Jan. 16	293	154	
Isabela	Jan. 24-30	2		
La Laguna	Nov. 1-Feb. 6	87	55	
Leyte	Nov. 1-Jan. 30	155	124	
Negros Occidental	Nov. 1-Jan. 16	272	175	
Palawan	Nov. 1-Dec. 19	10	5	
Pampanga	Nov. 1-Feb. 6	62	41	
Rizal	Nov. 1-Jan. 30	245	216	
Samar	Nov. 1-Feb. 6	160	107	
Sorsogon	Jan. 10-Feb. 6	66	45	
Surigao	Nov. 15-Jan. 12	7	4	
Union	Nov. 1-Jan. 12	12	8	
Zambales	Dec. 6-12	3	3	
Russia, general	Nov. 15-Mar. 6	4,179	1,743	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15-Jan. 23	34	13	
Bakoo	Nov. 22-28	3	2	
Batoom	Nov. 15-21	4	2	
Charkov	Mar. 10	4		
Cronstadt	Nov. 15-Jan. 16	3	1	
Don, territory of	Nov. 15-Mar. 6	190	97	
Ekaterinislav	Nov. 15-Dec. 26	27	11	
Erivan	Dec. 1-31	28	21	
Helsingfors	Jan. 10	2		In vicinity.
Jaroslav	Feb. 7-Mar. 7	59	26	
Kerson	Nov. 15-Dec. 19	2		
Kharkov	Dec. 6-12	1		
Kief	Nov. 15-Dec. 12	11	1	
Kooban	Nov. 15-Jan. 2	139	76	
Kostroma	Dec. 6-12	1		
Livonia	Nov. 15-21	2	1	
Moscow district	Dec. 6-Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17-23	1	1	Imported.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Odessa	Nov. 29-Dec. 12	2	2	
Olonets	Nov. 21-28	1	1	
Poltava	Nov. 29-Dec. 5	3		
Romanov-Borisoglyebsk	Mar. 10			Present.
Samara gov't dist	Nov. 29-Dec. 5	7	7	
Samarcand	Dec. 6-12	10	7	In vicinity.
Saratov	Nov. 15-Dec. 12	11	6	
Semipalatinsk, territory of	Dec. 19-26	1		
Stavropol	Nov. 15-21	1		
St. Petersburg, government	Nov. 15-Mar. 6	29	27	
St. Petersburg	Nov. 29-Mar. 6	2,174	683	Mar. 11, still present.
Tambov	Nov. 15-Dec. 12	16	8	
Tavride	Nov. 15-Dec. 19	9	5	
Terek, territory of	Nov. 15-Dec. 19	99	62	
Tiflis	Nov. 15-21	9	4	
Tomsk	Nov. 15-Jan. 23	102	48	
Toula	Feb. 21-Mar. 6	7	2	
Tver, district	Nov. 15-Dec. 5	4		
Volgoda	Dec. 6-12	1		
Yelisavetpol	Nov. 26-Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1-Dec. 5	1		
Straits Settlements:				
Singapore	Nov. 8-Feb. 13		164	

YELLOW FEVER.

Barbados, general	Dec. 12-Mar. 6	49	16	Including the parishes of St. Andrew, St. Lucy, and St. Joseph.
Bridgetown	Dec: 12-Mar. 7	9		
Speightstown	Mar. 7	1		
Brazil:				
Bahia	Nov. 15-Feb. 13	104	34	
Manaos	Nov. 29-Feb. 27		11	
Para	Nov. 22-Mar. 6		41	
Pernambuco	Nov. 15-30		1	
Colombia:				
Cartagena	Jan. 8-14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1-2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1-Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29-Mar. 6		33	
Martinique:				
Fort de France	Dec. 13-Mar. 6	5	1	
Mexico:				
Itzincal plantation	Dec. 6-12	2	2	
Maxcanu	Dec. 6-Jan. 23	5	4	Aug. 22-Dec. 18, 5 cases not previously reported.
Merida	Dec. 6-Mar. 6	15	8	
San Bernardo plantation	Dec. 27-Mar. 20	7	4	
Sodzil plantation	Dec. 13-Jan. 2	7	5	
Ticul	Feb. 1-Mar. 6	2	1	
Veracruz	Dec. 6-Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Azores:				
Terceira	Feb. 1-28	15	5	
Australia:				
Brisbane	Nov. 1-7	1	1	
Brazil:				
Bahia	Nov. 15-Feb. 13	45	24	
Para	Jan. 24-Feb. 6		2	
Pernambuco	Nov. 1-Dec. 31		10	
Rio de Janeiro	Nov. 16-Feb. 28	68	35	
Chile:				
Iquique	Nov. 22-Feb. 16	33	7	Feb. 16, 14 cases in the lazaretto.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy	Mar. 16			Present.
Hankau	Nov. 30-Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8-Jan. 2	2	2	
Tientsin	Oct. 18-Nov. 21			Feb. 16, again present.
Tongshan	Nov. 1-14			Present.
Ecuador:				
Babahoyo	Jan. 16	3		
Guayaquil	Nov. 29-Feb. 27		46	
Milagro	Nov. 17-Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25-Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14-Dec. 4	3		
Port Said	Dec. 4	1		
Suakim	Feb. 1	1		On ss. Huriet II.
Provinces—				
Assiout	Dec. 2-Jan. 13	5	5	
Beherach	Nov. 24-Dec. 26	11	6	
Dakaklieh	Feb. 4	1	1	
Galyoobeeyeh	Nov. 21-Feb. 2	3		
Garbieh	Nov. 27-Jan. 28	4	2	
Girgeh	Oct. 18-Feb. 1	6	6	
Fayoum	Nov. 23-Dec. 1	1	1	
Menouf	Nov. 27-Jan. 17	155	35	
Minieh	Nov. 25-Jan. 27	4		
India:				
Bombay Presidency and Sind.	Nov. 2-Feb. 6	13,730	9,692	
Madras Presidency	Nov. 2-Feb. 6	881	636	
Bengal	Nov. 2-Feb. 6	2,321	1,948	
United Provinces	Nov. 2-Feb. 6	2,819	2,334	
Punjab	Nov. 2-Feb. 6	7,078	5,951	
Burma	Nov. 2-Feb. 6	2,790	2,631	
Central provinces, including Berar.	Nov. 2-Feb. 6	2,931	2,243	
Coorg	Nov. 2-Dec. 17	5	3	
Mysore State	Nov. 2-Feb. 6	2,249	1,596	
Hyderabad State	Nov. 2-Feb. 6	507	416	
Central India	Nov. 2-Feb. 6	634	495	
Rajputana	Nov. 2-Feb. 6	1,437	1,405	
Grand total		37,382	29,370	
Indo-China:				
Cholen	Oct. 25-Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25-Jan. 30	12	11	
Japan:				
Formosa	Nov. 8-Feb. 13	85	63	Cases in February in central part.
Kagi, prefecture	Jan. 16	5		
Hiogo				Year 1908, 219 cases additional.
Kagoshima	Feb. 6	1		From s. s. Shinkochi.
Kobe	Jan. 20	2	2	
Nara				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases.
Osaka	Dec. 22-Jan. 29	3	1	Year 1908, 59 cases additional. Case Jan. 29, on s. s. Shinkochi Maru.
Yura		116	83	Year 1908.
Mauritius	Oct. 2-Jan. 14		96	
Peru:				
Callao	Nov. 13-Feb. 18	26	11	
Cascas	Feb. 12-18	12	5	
Casma	Feb. 4	1	1	
Catacaos	Dec. 11-Feb. 18	7		
Chorrillos	Jan. 22-Feb. 4	2	2	
Chepen	Nov. 27-Feb. 18	19	6	
Chiclayo	Nov. 13-Feb. 18	44	23	
Chota	Jan. 22-Feb. 18	8	8	
Eten	Nov. 13-Dec. 31	11	10	
Ferrenafe	Nov. 13-Dec. 24	9	3	
Jayanca, Lambayeque	Feb. 4	12		
Lambayeque	Feb. 18	12		
Lima	Nov. 13-Feb. 18	50	19	
Mollendo	Nov. 13-Feb. 18	1	5	
Monsefu	Nov. 13-Dec. 24	7	2	
Motupe	Dec. 17-Jan. 14	2		
Oyotun, plantation	Nov. 20	4		
Paita	Dec. 11-17	3	2	
Piura	Dec. 11-Jan. 14	6	4	
San Jose, Lambayeque	Nov. 13-Dec. 3	2		
San Pedro	Nov. 13-Feb. 18	28	21	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Surco, Matucana, Huarochiri	Feb. 4	15		
Trujillo	Nov. 13-Feb. 18	153	70	
Zaña	Jan. 14-Feb. 18	4	2	
Siam:				
Bangkok	Sept. 27-Dec. 26	12	6	Present in November.
Straits Settlements:				
Singapore	Nov. 30-Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6-Feb. 5	14	7	
Beirut	Dec. 17-Jan. 9	5	5	
Jiddah	Dec. 12-Feb. 28	82	74	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1-Feb. 28		78	Imported.
Arabia:				
Aden	Nov. 25-Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1-Dec. 31		2	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1		
Austria:				
Bohemia	Feb. 7-13	7		
Galicia	Dec. 20-Jan. 23	8		
Silesia	Jan. 3-9	1		
Brazil:				
Bahia	Nov. 15-Feb. 13	278	21	
Para	Feb. 14-27	2	1	
Pernambuco	Nov. 1-Jan. 31		97	
Rio de Janeiro	Nov. 16-Feb. 18	1,285	633	
Santos	Nov. 1-Dec. 20		10	
São Paulo	Nov. 1-Feb. 7		52	
British Honduras:				
Stann Creek	Feb. 5-Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28-Jan. 2	4		
Canada:				
British Columbia—				
Vancouver	Dec. 1-Feb. 28	4		
Victoria	Dec. 12-Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20-Jan. 20	6		
Ontario, Province, general	Dec. 1-31	118		
Hamilton	Jan. 17-23	1		
Toronto	Nov. 8-28	7		
Nova Scotia—				
Halifax	Dec. 13-Mar. 20	63		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1-Mar. 27	29		Revised.
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Ceylon:				
Colombo	Nov. 1-21	62	13	
Chile:				
Talcaguana	Nov. 20-Jan. 28			Present in vicinity.
Valparaiso	Dec. 6-19	2		
China:				
Amoy	Oct. 11-Nov. 8		2	Dec. 19, still present.
Hongkong	Jan. 3-30	4	2	
Shanghai	Nov. 11-Feb. 14	4	3	3 cases Nov. 11-Dec. 28 from U. S. transport Seward.
Tientsin	Jan. 17-30	9	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26-Mar. 25	4		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey.
Ecuador:				
Guamote	Jan. 16			Present.
Mangiar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12-Jan. 28	605	138	
Alexandria	Nov. 26-Feb. 28	42	26	
Cairo	Nov. 19-Feb. 18	330	140	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
France:				
Marseille	Dec. 1-Jan. 31		2	
Nice	Jan. 1-31	1		
Paris	Nov. 22-Mar. 6	43	2	Report Jan. 30, received out of date.
Toulon	Jan. 1-31	1		
Germany, general	Nov. 19-Mar. 13	39		
Bremen	Jan. 16-23	2		
Breslau	Dec. 20-26	1		
Brunswick	Feb. 16-20	1		
Hamburg	Mar. 13	2		Among Russian emigrants.
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22-Mar. 6		5	
Patras	Dec. 16-31	1	1	
Great Britain:				
Bristol	Dec. 13-Mar. 6	20	4	
London	Feb. 1-6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25-Mar. 2		122	
Calcutta	Nov. 1-Feb. 13		810	
Madras	Nov. 28-Feb. 26		14	
Rangoon	Nov. 22-Feb. 20		21	
Indo-China:				
Cholen	Nov. 15-Dec. 5	6	5	
Saigon	Nov. 1-Jan. 30	11	8	
Italy, general	Nov. 30-Mar. 7	174		
Catania	Feb. 28-Mar. 7	5		
Cinquefrondi	Jan. 15-21	13		
Florence	Nov. 24-30	2		
Genoa	Dec. 1-Jan. 15	3		
Naples	Dec. 7-Mar. 6	274	51	Jan. 18, 1 case on s. s. Europa.
Palermo	Jan. 24-Feb. 27	9	2	
Poleselia	Dec. 1			Epidemic.
Tatrinoli	Jan. 15-21	2		
Japan:				
Formosa	Nov. 29-Jan. 16	10		
Kobe	Feb. 14-20	4	1	
Tokyo	May 8-Dec. 31	314		
Java:				
Batavia	Nov. 1-Feb. 13	46	3	
Malta	Nov. 22-Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17-30	1	1	
Mexico:				
Acapulco	Jan. 11-31	12		
Acayucan	Mar. 17			Present.
Guadalajara	Jan. 7-Feb. 25	5	3	
Mexico City	Nov. 8-Feb. 14		80	
Monterey	Jan. 4-Mar. 21		12	
Salina Cruz	Jan. 1-15	5		
Tehuantepec	Jan. 28-Feb. 3			Present.
Veracruz	Dec. 13-Feb. 27	4	2	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Rotterdam	Jan. 10-Mar. 13	2		
Newfoundland	Feb. 9-13			Epidemic on south coast.
St. Johns	Jan. 10-Feb. 13	7		From s. s. Portia.
Norway:				
Bergen	Jan. 24-30		2	
Christiania	Nov. 22-28	1	1	
Paraguay:				
Asuncion	Dec. 20-26			Present.
Persia:				
Arabistan	Jan. 1-28			Do.
Dizfoul	Jan. 1-28			Do.
Hamadan	Oct. 2-Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1-31			Do.
Mechedisser	Jan. 1-28			Do.
Mohammerah	Jan. 1-28			Do.
Sultanabad	Oct. 1-31			Do.
Tabriz	Oct. 2-8			Do.
Trebizond	Jan. 16			Do.
Teheran	Sept. 18-Oct. 28		17	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru:				
Lima	Nov. 22-Dec. 31	11		Feb. 27, 1 case in the lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-Feb. 6	21	11	Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-Mar. 6	28		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1-31	1		
Moscow	Nov. 29-Feb. 27	246	86	
Odessa	Oct. 4-Mar. 6	64	12	
Reval	Jan. 1-31	1		
Riga	Nov. 29-Feb. 20	11		
St. Petersburg	Nov. 15-Feb. 20	89	29	
Warsaw	Nov. 1-Jan. 16		55	
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala.
Servia:				
Belgrade	Dec. 6-12	2		
Siam:				
Bangkok	Nov. 1-30			Present.
Siberia:				
Vladivostok	Dec. 14-Feb. 14	2		
Southeast Africa:				
Lourenço Marquez	Jan. 1-31	1	1	
Spain:				
Almeria	Jan. 1-31		1	Apr. 1-Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6-Feb. 23		24	
Cartagena	July 1-31		15	
Madrid	Nov. 1-Jan. 28		60	
Valencia	Nov. 29-Mar. 12	63	5	
Vigo	Nov. 30-Mar. 13		11	
Straits Settlements:				
Singapore	Dec. 28-Feb. 13		7	
Switzerland:				
Zurich	Feb. 21-27	3		
Tripoli:				
Tripoli	Feb. 13-Mar. 6	11	3	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bagdad	Feb. 13			Present.
Bassorah	Jan. 3-Feb. 27			Do.
Smyrna	Oct. 7-Feb. 26		64	
Turkey in Europe:				
Constantinople	Dec. 7-Mar. 14		62	
Trebizond	Feb. 7-20			Do.
Uruguay:				
Montevideo	Dec. 1-31		1	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Mar. 6	181,918	68							1		1		10
Acapulco	Feb. 28	4,700	6											
Aguascalientes	Mar. 14	40,000	45	2					2		1	2		1
Aix la Chapelle	Feb. 20	159,523	57	12							1	1		
Alexandria	Jan. 21	388,083	201	16				5		1	1	4	2	
Do	Jan. 28	388,083	215	11				1		2		3	6	
Amsterdam	Mar. 6	566,256	145	17							2			2
Antwerp	Feb. 27	323,921	92	9								1		
Athens	do	241,058	86	24					1				1	
Do	Mar. 6	241,058	87	21				1	2					
Barmen	Feb. 13	161,200	39	7									4	
Do	Feb. 20	161,200	40	2							1	3	4	
Do	Feb. 27	161,200	52	4							2	1	7	
Belfast	Mar. 6	386,576	160	24								1		3
Belize	Mar. 11	9,113	5											
Bergen	do	87,749	30	6								5	1	
Berlin	Feb. 13	2,115,395	583	81						2	13	11	7	8
Birmingham	Mar. 6	558,336	282							1	2	6	42	5
Bluefields	do	2,500	4	1										
Bombay	Feb. 23	977,822	736	39	94	5		24		4			3	
Bradford	Mar. 6	293,983	128	7								1	1	1
Bremen [a]	Jan. 2	233,749	72	14							2		3	1
Do	Mar. 6	233,749	80	14									1	1
Bristol	do	377,642	125									2	1	4
Budapest	Feb. 13	804,200									8	2	4	
Cairo	Feb. 11	701,806	384	25				14	7	5		3	1	
Do	Feb. 18	701,806	403	24				19	7	2		3	1	
Calcutta	Feb. 13	847,796	606	22	12	17		171					1	
Cardiff	Feb. 27	195,303	53	5								1		
Do	Mar. 6	195,303	55	4								2		
Cartagena	Mar. 7	30,000	13	2										
Ceiba	Mar. 6	6,500	2											
Chemnitz	Feb. 13	270,947	85	13							1	2	1	
Do	Feb. 20	270,947	75	8								1	1	1
Do	Feb. 27	270,947	90	12								1	2	1
Coburg	Feb. 20	23,491	5	1										
Do	Feb. 28	23,491	7	2										
Cognac	Mar. 8	19,483	14	2										
Cologne	Feb. 20	467,653	146	22							1	5	3	1
Do	Feb. 27	467,653	177	23							4	9	3	2
Copenhagen	Feb. 20	447,000	180	21						1	2	1	3	8
Dalny	Feb. 13	34,174	12											
Do	Feb. 20	34,174	27	2										1
Denia	Feb. 27	12,431	2											
Dublin	do	394,525	197	27						3			1	7
Do	Mar. 6	394,525	216	51							1	4	5	3
Dundee	do	169,409	89								1	1		1
Durban	Feb. 13	60,972	18											
East London	do	49,253	5	1										
Edinburgh	Mar. 6	355,366	125	18										6
Fiume	Mar. 7	50,811	31	11									1	
Flushing	Mar. 6	21,208	9											
Frankfort-on-the-Main	Feb. 13	362,600	104								2	2	1	
Do	Feb. 20	362,600	86								2	2		1
Do	Feb. 27	362,600	96								1	1	1	2
Frontera	Mar. 6	9,000	6											1
Ghent	Feb. 27	164,579	74	7							3	1		
Gibraltar	Mar. 7	26,830	11											
Glasgow	Mar. 12	872,021	357							3	3	4		44
Greenock	Jan. 23	72,300	23											
Do	Feb. 27	72,300	18											
Do	Mar. 6	72,300	18											1
Guayaquil	Feb. 20	75,000	71	7	3		3			1				2
Do	Feb. 27	75,000	79	7	6		9			1				1
Halifax	Mar. 13	40,787	16	1								2		
Hamburg	Feb. 27	872,252	263	28							4	3		4
Do	Mar. 6	872,252	251	33							3	6		1
Hamilton, Bermuda	Mar. 15	20,206	4											
Havre	Feb. 27	132,430	78	13						3				1

[a] Reported out of date.

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Weekly mortality table, foreign and insular cities—Continued.

Cities	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria	Measles.	Whooping cough.
Hilo Hawaii	Feb. 20	3,500	6	2										
Do	Feb. 27	3,500	5											
Honolulu	Feb. 6	39,306	16	2										
Do	Feb. 13	39,306	21	4										
Do	Feb. 20	39,306	27	5						1		1		
Do	Feb. 27	39,306	25	4								1		
Do	Mar. 6	39,306	26	9										
Hull	...do....	275,552	70									1	1	
Kobe	Feb. 13	363,593	154									1		
Do	Feb. 20	363,593	157					1		2		1		
Königsberg	Feb. 13	237,600	81	13									1	1
Do	Feb. 20	237,600	95	18										
Do	Feb. 27	237,600	105	9								1		1
Leeds	Mar. 6	484,012	178	12						1	2	3		
Leipzig	Feb. 20	537,686	164	26						1	1	4	3	3
Do	Feb. 27	537,686	139	24						2	1	2	2	1
Leith	Mar. 6	85,721	31	2										2
Liege	Feb. 27	175,870	52	2								1		
Liverpool[a]	Jan. 2	753,203	337	16						3	6	2	8	5
Do	Mar. 6	753,203	367	19							11	2	16	8
Lisbon	Jan. 30	357,000	208	28						3		1		
London	Mar. 6	4,833,938	2,116	176						1	7	18	92	55
Madras	Feb. 19	509,346	441					1					2	
Magdeburg	Feb. 20	250,879	81	6							2	2		
Do	Feb. 27	250,879	70	9						1	2	5		
Mannheim	Feb. 6	181,612	44	7										1
Do	Feb. 13	181,612	53	8										2
Do	Feb. 20	181,612	42	3										1
Manzanillo	Mar. 13	1,700	1											
Maracaibo	Feb. 1	49,817	8							1				
Do	Feb. 8	49,817	9	1										
Do	Feb. 15	49,817	12									1		
Do	Feb. 22	49,817	8	1										
Do	Mar. 1	49,817	12							1		1		
Matamoras	Mar. 13	8,000	8	2										
Mazatlan	Mar. 6	22,000	14											
Moncton, N. B	Mar. 13	13,500	7	2										
Do	Mar. 20	13,500	2	1										
Monterey	Mar. 14	100,000	52	9									1	
Montreal	Mar. 13	378,856	153	17						2	2	3	4	1
Moscow	Feb. 27	1,335,104	833	92				5	5	1	20	7	17	5
Munich	...do.....	556,000	219	26							7	3	6	
Nagasaki	Feb. 14	175,936	49									2		
Do	Feb. 21	175,936	53											
Newcastle-on-Tyne	Mar. 6	281,584	97								3	2	4	1
Niuchwang	Feb. 13	60,000	12											
Do	Feb. 20	60,000	9											
Nuevo Laredo	Mar. 13	8,000	4	2										
Nuremberg	Feb. 6	316,180	115	9							2	2	3	1
Do	Feb. 13	316,180	100	13							2		1	2
Do	Feb. 20	316,180	116	22							3	3	2	6
Odessa	Mar. 6	467,000	199	27							5	2		4
Paris	Mar. 6	2,776,397	1,254	250						5	3	4	6	9
Penang	Feb. 13	102,520	76	13						1				
Plymouth	Mar. 6	124,180	50							1			5	
Prague	Feb. 13	229,571	125	30						4	3	1		
Do	Feb. 20	229,571	137	22						3	3			1
Do	Feb. 27	229,571	145	37						1	3	1	1	1
Queenstown	Mar. 6	7,684	3											
Rangoon	Feb. 13	252,155	218	6	14	7		6					1	
Rotterdam	Mar. 6	412,354	124									1		
St. John, New Brunswick	Mar. 20	40,711	17	2								1		
St. Petersburg	Feb. 20	1,678,000	961	135		36		1	2	15	21	20	26	8
St. Stephen	Mar. 20	2,840	1											
San Feliu de Guixols	Mar. 6	11,094	9	2										
Santiago de Cuba	...do.....	45,470	19	2										
Do	Mar. 13	45,470	21	2										
Schiedam	Feb. 6	31,508	6	1										
Do	Feb. 13	31,508	2	1										

[a] Reported out of date.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Schiedam	Feb. 20	31,506	13	1										
Do	Feb. 27	31,508	5											
Shanghai	Feb. 13	565,000	142	19				1						
Smyrna	Feb. 5	400,000	78	7				1					1	
Do	Feb. 12	400,000	73	12				1		1				
Do	Feb. 19	400,000	79	6				1		1				
Do	Feb. 26	400,000	81	11				2						
Southampton	Mar. 6	124,667	56	2										2
South Shields	...do...	117,627	45	4										3
Stockholm	Feb. 20	337,760	103	14							2	1		
Sunderland	Mar. 6	159,137	77	6							1	2	4	
Tarragona	...do...	20,400	22	2						2				
Tegucigalpa	Mar. 2	24,000	9											
Tientsin	Jan. 23	1,000,000	7	3				1						
Trieste	Feb. 13	216,680	109								4			
Do	Feb. 20	216,680	129								4	2		
Turin [a]	Jan. 3	373,701	118	10							1	1	2	
Do	Feb. 27	373,701	227	18						1	1	3	2	1
Valencia	Feb. 26	250,000	153	9										
Venice	Feb. 6	179,286	99	2						1		1	1	
Do	Feb. 13	179,286	100	6								1		
Do	Feb. 20	179,286	122	11							1	4		
Do	Feb. 27	179,286	117	6								2		1
Veracruz	Mar. 6	32,000	29	8										
Victoria, B. C.	Mar. 13	30,000	5							1				1
West Hartlepool	Mar. 6	66,750	30									1		
Winnipeg	Mar. 13	118,000	27									1		
Zurich	Mar. 6	180,000	43	9										

[a] Reported out of date.

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended March 27, 1909.

Sick inspected	10
Plague	0
Dead inspected	109
Plague	0
Necropsy held	1
Premises inspected	2,195
Houses disinfected	21
Nuisances abated	271
Rats found dead	45
Rats trapped	2,674
Total rats taken	2,719
Rats identified:	
Mus norvegicus	1,917
Mus rattus	52
Mus musculus	728
Mus alexandrinus	11
Total	2,708
Rats identified as to sex	1,946
Male	918
Female	1,028
Rats examined bacteriologically	1,662
Plague rats	0
Ground squirrels trapped	8
Ground squirrels examined bacteriologically	8
Plague squirrels	0
Poisons placed	29,452

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OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended March 20, 1909.

Dead inspected	33
Plague	0
Premises inspected	1,341
Premises cleaned	203
Garbage cans installed	174
Place made rat-proof	1
Necropsies held	4
Nuisances abated	208
Rats found dead	31
Rats trapped	597
Rats identified:	
Mus norvegicus	614
Mus rattus	7
Mus musculus	103
Mus alexandrinus	7
Total	731
Rats examined bacteriologically	627
Plague rats	0
Mice examined bacteriologically	103
Plague mice	0
Poisons placed	21,345

POINT RICHMOND, CAL.

Week ended March 20.

Sick inspected	2
Plague	0
Dead inspected	2
Plague	0
Premises inspected	490
Nuisances abated	27
Rats found dead	14
Rats trapped	14
Rats examined bacteriologically	11
Plague rats	0
Ground squirrels trapped	3
Ground squirrels examined bacteriologically	3
Plague squirrels	0
Poisons placed	7,000

ALAMEDA COUNTY, CAL.

Week ended March 20.

Sick inspected	5
Plague	0
Dead inspected	56
Plague	0
Necropsies held	4

CONTRA COSTA COUNTY, CAL.

Week ended March 20.

Dead inspected	3
Plague	0
Ground squirrels shot	43
Ground squirrels examined bacteriologically	43
Plague squirrels	0
Rabbits shot	2
Rabbit found dead	1
Rabbits examined bacteriologically	3
Plague rabbits	0
Ranches inspected	42
Ranches found free of squirrels	17
Ranches poisoning squirrels	25

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Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson reports, March 24:

Animals examined in the laboratory in this city from March 15 to 21, inclusive:

Ground squirrels	78
Gray rats	389
Black rats	15

None of these animals was found to be infected with plague.

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, March 22:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended March 20, 1909.

Plague-infected rats to date	21
Rats received	1,222
Rats necropsied	1,300
Plague rats	0

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA.—Month of February, 1909. Estimated population, 2,037,929. Total number of deaths reported to the state board of health, 2,486, including diphtheria 23, enteric fever 28, measles 12, scarlet fever 2, whooping cough 6, smallpox 1, and 404 from tuberculosis.

COLORADO.—Annual report for the year, 1907. Estimated population, 628,616. Total number of deaths, 11,093, corresponding to an annual death rate of 17.657 per 1,000 of population, including enteric fever 403, smallpox 4, measles 196, scarlet fever 228, whooping cough 54, diphtheria 138, and 1,811 from tuberculosis. Cases: Diphtheria 715, scarlet fever 3,278, smallpox 1,119, enteric fever 3,064.

Annual report for the year, 1908. Estimated population, 640,861. Total number of deaths, 10,911, corresponding to an annual death rate of 17.025 per 1,000 of population, including enteric fever 316, smallpox 3, measles 106, scarlet fever 175, whooping cough 150, diphtheria 188, and 1,913 from tuberculosis. Cases: Diphtheria 1,213, scarlet fever 2,585, smallpox 433, enteric fever 2,417.

CONNECTICUT—*New Haven.*—Month of December, 1908. Estimated population, 125,000. Total number of deaths, 198, including enteric fever 5, measles 1, whooping cough 1, diphtheria 4, and 16 from tuberculosis. Cases: Diphtheria 15, scarlet fever 7, and enteric fever 10.

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Month of January, 1909. Total number of deaths, 187, including scarlet fever 2, enteric fever 1, whooping cough 1, and 25 from tuberculosis. Cases: Diphtheria 36, scarlet fever 34, and enteric fever 1.

Month of February, 1909. Total number of deaths, 190, including scarlet fever 2, measles 5, whooping cough 2, diphtheria 1, and 29 from tuberculosis. Cases: Diphtheria 44, scarlet fever 24, and enteric fever 2.

ILLINOIS—*Quincy.*—Month of March, 1909. Estimated population, 43,000. Total number of deaths 54, including 3 from tuberculosis. Cases: Diphtheria 16.

IOWA—*Keokuk.*—Month of February, 1909. Estimated population, 16,000. Total number of deaths 26, including 4 from tuberculosis. Cases: Scarlet fever 7, diphtheria 2, and tuberculosis 2.

MASSACHUSETTS—*Quincy.*—Months of January and February, 1909. Estimated population, 28,067. Total number of deaths, 71, including 3 from tuberculosis. Cases: Scarlet fever 18, diphtheria 30, tuberculosis 10, and enteric fever 2.

MICHIGAN.—Annual report for the year 1907. Estimated population, 2,529,850. Total number of deaths, 36,701, corresponding to an annual death rate of 14.052 per 1,000 of population, including enteric fever 594, smallpox 8, measles 256, scarlet fever 159, whooping cough 223, diphtheria 421, and 2,721 from tuberculosis.

Month of February, 1909. Report from districts covering 2,494,-442 persons. Total number of deaths, 2,767, corresponding to an annual death rate of 13.6 per 1,000 of population, including tuberculosis 221, enteric fever 29, diphtheria 41, scarlet fever 11, measles 21, and 18 from whooping cough.

MINNESOTA—*Minneapolis.*—Month of February, 1909. Estimated population, 310,000. Total number of deaths, 246, including diphtheria 7, enteric fever 1, and 21 from pulmonary tuberculosis. Cases: Diphtheria 117, enteric fever 7, scarlet fever 79, smallpox 28, and tuberculosis 34.

MISSOURI—*St. Louis.*—Month of January, 1909. Estimated population, 735,200. Total number of deaths, 944, including measles 11, scarlet fever 3, diphtheria 27, enteric fever 1, and 105 from pulmonary tuberculosis. Cases: Pulmonary tuberculosis 159, diphtheria 247, measles 724, scarlet fever 122, smallpox 6, enteric fever 24, and whooping cough 22.

MONTANA.—Month of January, 1909. Estimated population, 280,000. Reports to the state board of health show as follows: Total number of deaths, 369, including diphtheria 8, enteric fever 8, scarlet fever 21, and 24 from tuberculosis. Cases: Diphtheria 95, enteric fever 14, measles 62, scarlet fever 219, and smallpox 63.

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Month of February, 1909. Total number of deaths, 331, including whooping cough 1, enteric fever 6, scarlet fever 12, diphtheria 12, and 31 from tuberculosis. Cases: Smallpox 49, diphtheria 76, scarlet fever 198, measles 84, and enteric fever 8.

NEW JERSEY.—Reports to the state board of health for the month of March, 1909, show a total of 2,992 deaths, including diphtheria 65, enteric fever 21, measles 26, scarlet fever 29, whooping cough 18, and 376 from tuberculosis.

NEW YORK—*Yonkers.*—Months of January and February, 1909. Estimated population, 72,200. Total number of deaths 192, including scarlet fever 7, diphtheria 7, and 18 from tuberculosis. Cases: Scarlet fever 71, diphtheria 28, measles 248, and tuberculosis 33.

OHIO—*Cleveland.*—Month of February, 1909. Estimated population, 515,000. Total number of deaths 538, including diphtheria 4, enteric fever 3, measles 2, scarlet fever 2, whooping cough 7, and 60 from tuberculosis. Cases of contagious diseases not reported.

Toledo.—Months of January and February, 1909. Estimated population 195,888. Total number of deaths 328, including enteric fever 18, scarlet fever 3, diphtheria 3, and 37 from tuberculosis. Cases: Enteric fever 89, scarlet fever 32, diphtheria 52, measles 7, and tuberculosis 65.

PENNSYLVANIA—*Altoona.*—Month of March, 1909. Estimated population, 60,000. Total number of deaths, 62, including diphtheria 1, and 2 from tuberculosis. Cases: Diphtheria 10, and scarlet fever 14.

UTAH.—Month of February, 1909. Reports to the state board of health from 27 counties, having an estimated population of 346,873, show as follows: Total number of deaths, 320, including diphtheria 8, enteric fever 2, whooping cough 1, scarlet fever 7, measles 3, and 5 from tuberculosis. Cases: Diphtheria 73, enteric fever 21, measles 156, scarlet fever 205, smallpox 224, whooping cough 106, and tuberculosis 17 (incomplete).

WISCONSIN.—Quarter ended December 31, 1908. Estimated population, 2,228,969. Total number of deaths, 26,778, corresponding to an annual death rate of 11.5 per 1,000 of population, including enteric fever 32, diphtheria 66, whooping cough 1, smallpox 2, scarlet fever 32, measles 9, and 129 from pulmonary tuberculosis. Cases: Diphtheria 680, enteric fever 319, whooping cough 65, smallpox 391, scarlet fever 622, measles 431, and pulmonary tuberculosis 238.

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Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to April 9, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Jan. 12–Feb. 6	7		
Montgomery	Mar. 13		1	
Tuscaloosa County	Feb. 6–Dec. 31	86		Year 1908.
Total for State		93	1	
Arkansas:				
Allbrook	Jan. 1–Mar. 25	40		
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		148		
California, general	Nov. 1–Feb. 28		4	
Los Angeles	Dec. 6–Mar. 6	18		
Oakland	Nov. 1–Mar. 21	14		
Sacramento	Nov. 1–Feb. 28	53		
San Francisco	Dec. 13–Mar. 20	29		
Stockton	Nov. 1–30	12		
Total for State		126	4	
Colorado, general	July 1–Feb. 23	109		
District of Columbia:				
Washington	Dec. 28–Mar. 27	8		
Total for District		8		
Georgia:				
Bibb County—				
Macon	Mar. 14–21	1		
Cobb County	Jan. 16–Feb. 7	8		
Paulding County	Jan. 16–Feb. 7	15		
Total for State		24		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Feb. 27	211		
Thebes	Jan. 1–31	2		
Bureau County—				
Ladd	Nov. 1–30	4		
Christian County—				
Taylorville	Aug. 1–Jan. 20	40		
Clinton County—				
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–Apr. 3	10		
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		
Fulton County—				
Canton	Jan. 1–31	38		
Cuba	Jan. 1–31	1		
Lewiston	Jan. 1–31	6		
Jackson County—				
Murphrysboro	Jan. 1–31	45	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–31	1		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–Mar. 13	4		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Lake County—				
Waukegan	Feb. 2-26	3		
McLean County—				
Bloomington	Jan. 1-31	5		
Macon County—				
Decatur	Jan. 1-31	8		
Macoupin County—				
Benld	Feb. 15-18	2		
Palmyra	Dec. 25-Jan. 20	4		
Scottsville	Dec. 25-Jan. 20	12		
Marion County—				
Centralia	July 1-Jan. 20	53		
Odin	Jan. 1-31	1		
Sandoval	Jan. 1-31	1		
Mason County	Jan. 1-31			Present in Havana and Quiver townships.
Massac County—				
Metropolis	Jan. 1-31	1		
Mercer County	Jan. 1-31	1		In North Henderson township.
Montgomery County	Jan. 1-31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5-11	1		
Peoria County—				
Peoria	Dec. 20-Mar. 20	31		Present in Glasford and in Timber and Trivoli townships.
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-31	3		
Mound City	Jan. 1-31	7		
Randolph County—				
Percy	Jan. 1-31	1		
St. Clair County—				
Belleville	Dec. 4-20	3		Present in January.
Mascoutah	Jan. 1-31	1		
Millstadt		1		
Saline County—				
Eldorado	Jan. 1-31	1		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Springfield	Mar. 20-26	3		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Tazewell County	Jan. 1-31			Present in Elm Grove township.
Pekin	Jan. 1-31	28		
Vermilion County—				
Danville	Jan. 11-Mar. 28	19		
Williamson County—				
Carterville	Jan. 1-31	2		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-31	6		
Total for State		668	1	
Indiana:				
Allen County	Dec. 1-31	1		
Fort Wayne	Jan. 10-Feb. 6	4		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Dec. 31	4		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-31	26		
Clay County	Oct. 1-31	8		
Dearborn County	Oct. 1-31	1		
Delaware County	Dec. 1-31	52		
Elkhart County	Oct. 1-Nov. 30	7		
Elkhart	Jan. 17-Mar. 6	8		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-31	1		
Grant County	Dec. 1-31	2		
Union	Feb. 6	5		
Hamilton County	Dec. 1-31	1		
Harrison County	Dec. 1-31	1		
Hendricks County	Nov. 1-Dec. 31	5		
Madison County	Oct. 1-31	1		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-Feb. 28	5		
Miami County	Dec. 1-31	1		
Rush County	Dec. 1-31	24		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-31	1		
St. Joseph County	Dec. 1-31	12		
South Bend	Mar. 23-29	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Dec. 31	77		
Lafayette	Dec. 15-Mar. 29	61	1	
Tipton County	Nov. 1-Dec. 31	2		
Vanderburg County—				
Evansville	Jan. 10-Feb. 20	10		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-31	7		
Wayne County	Nov. 1-30	8		
Total for State		356	1	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Council Bluffs	July 1-Feb. 28	32	2	
Dubuque	Oct. 1-Jan. 31	87	1	
Total for State		120	5	
Kansas:				
Allen County	Jan. 1-31	6		
Atchison County—				
Atchison	Dec. 20-Jan. 16	2		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Jan. 31	50		
Cherokee County	Jan. 1-31	22		
Crawford County	Jan. 1-31	7		
Pittsburg	Nov. 1-Dec. 31	107		
Decatur County	Jan. 1-31	1		
Ford County	Jan. 1-31	2		
Franklin County	Dec. 1-31	1		
Harvey County	Nov. 1-Dec. 31	4		
Jackson County	Nov. 1-Dec. 31	95		
Jefferson County	Dec. 1-Jan. 31	15		
Jewell County	Dec. 1-31	2		
Labetta County—				
Parsons	Jan. 1-31	3		
Lane County	Jan. 1-31	4		
McPherson County	Jan. 1-31	1		
Marshall County	Jan. 1-31	1		
Montgomery County	Nov. 1-Jan. 31	19		
Nemaha County	Dec. 1-31	2		
Phillips County	Dec. 1-Jan. 31	5		
Pottawatomie County	Nov. 1-Dec. 31	36		
Pratt County	Dec. 1-31	20		
Reno County	Nov. 1-Jan. 31	4	1	
Riley County	Nov. 1-30	2		
Rooks County	Jan. 1-31	3		
Saline County	Nov. 1-Jan. 31	48		
Sedgwick County—				
Wichita	Mar. 7-20	7		
Shawnee County	Nov. 1-Jan. 31	27		
Topeka	June 7-Mar. 27	116		
Sheridan County	Dec. 1-Jan. 31	11		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Dec. 31	8		
Thomas County	Jan. 1-31	2		
Wallace County	Jan. 1-31	2		
Waubaunsee County	Jan. 1-31	3		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-Mar. 27	34		
Total for State		686	1	
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Covington	Dec. 29-Apr. 3	31		
Fulton	Feb. 1-Mar. 22	27		
Georgetown	Dec. 2-Mar. 4	31		
Henderson		7		Jan. 1-June 30, 1908.
Lexington	Dec. 28-Mar. 27	41		
Newport	July 1-Mar. 20	54	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24-Mar. 27	43		
Total for State		434	2	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Louisiana:				
Alexandria	Feb. 1-28	9		
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon
New Orleans	Dec. 20-Mar. 20	25		
Shreveport	Jan. 1-20	32	1	
Winnfield	Jan. 1-Mar. 24	33		And vicinity.
Total for State		129	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 10-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-Feb. 6	94		
Total for State		145		
Maryland:				
Baltimore	Jan. 30-Feb. 6	1		
Total for State		1		
Massachusetts:				
Boston	Mar. 14-20	2		
Haverhill	Mar. 14-20	1		
Lawrence	Mar. 7-13	1		
New Bedford	Jan. 30-Mar. 13	3	1	
Taunton	Jan. 3-9	1		
Total for State		8	1	
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31	1		
Ingham County—				
Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County—				
Grand Rapids	Jan. 24-Feb. 20	2		
Lapeer County	Dec. 1-31	2		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-Mar. 27	7		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Mar. 27	7		
Wexford County	Dec. 1-31	2		
Total for State		75		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 20-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Mar. 27	89		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicollett County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec 7	2		
St. Paul	Oct. 6-Dec. 13	57		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Renville County	Dec. 1-7	1		
St. Louis County—				
Duluth	Nov. 9-Jan. 22	3		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Saseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-30	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-Feb. 28	8		
Yellow Medicine County	Oct. 20-26	1		
Total for State		309		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-Mar. 20	12		
Liberty	Jan. 15-Mar. 11	20		
Rich Hill	Dec. 5-31	4		
St. Joseph	Dec. 1-31	1		
St. Louis	Dec. 20-Mar. 27	23		
Springfield	Nov. 1-Feb. 28	3		
Total for State		63		
Montana:				
Beaverhead County	Feb. 1-28	2		Report for December not yet received.
Carbon County	Feb. 1-28	1		
Cascade County	Nov. 1-Jan. 31	5		
Choteau County	Jan. 1-Feb. 28	4		
Dawson County	Jan. 1-31	3		
Fergus County	Jan. 1-Feb. 29	29		
Flathead County	Nov. 1-30	1		
Gallatin County	Nov. 1-Jan. 31	14		
Bozeman	Nov. 1-Feb. 28	19		
Granite County	Jan. 1-31	4		
Jefferson County	Nov. 1-30	4		
Missoula County	Jan. 1-31	12		
Missoula	Jan. 1-Feb. 28	4		
Park County	Jan. 1-31	6		
Powell County	Jan. 1-Feb. 28	12		
Ravalli County	Nov. 1-30	4		
Sanders County	Jan. 1-Feb. 28	10		
Silverbow County	Nov. 1-Feb. 28	14		
Butte	Mar. 16-23	30		
Yellowstone County	Nov. 1-30	1		
Billings	Jan. 1-31	1		
Total for State		180		
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1-Feb. 28	15		
South Omaha	Dec. 20-Mar. 27	12		
Total for State		28		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
West Lebanon	Jan. 15-Feb. 7	2		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21-Apr. 3	6		
New Brunswick	Mar. 7-27	4		
Plainfield	Mar. 7-20	3		
Perth Amboy	Mar. 4-31	26		
Total for State		39		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
New York, general	Nov. 1–Dec. 31	75	1	
Buffalo	Feb. 14–Mar. 20	4		
Mohawk Valley			1	Year 1908.
New York	Feb. 21–Mar. 13	2	1	
Niagara Falls	Feb. 7–13	1		
Rome	Jan. 1–31	1		
Schenectady	Feb. 7–13	1		
Syracuse	Jan. 9–31	3		
Total for State		87	3	
North Carolina:				
Ashe County	Jan. 1–31	7		
Bertie County	Nov. 1–30	1		
Camden County	Jan. 1–31	30		
Catawba County	Nov. 1–Dec. 31	4		
Currituck County	Nov. 1–Jan. 31	34		
Duplin County	Dec. 1–Jan. 31	60		
Edgecombe County	Dec. 1–31	1		
Johnston County	Nov. 1–Jan. 31	13		
Jones County	Jan. 1–31	3		
Lenoir County	Dec. 1–31	20		
Lincoln County	Dec. 1–31	1		
Madison County	Jan. 1–31	2		
Nash County	Jan. 1–31	1		
New Hanover County— Wilmington	Jan. 22–Mar. 1	4		Imported.
Pasquotank County	Nov. 1–Jan. 31	79		
Pitt County	Jan. 1–31	2		
Sampson County	Jan. 1–31	22		
Scotland County	Jan. 1–31	6		
Wayne County	Jan. 1–31	20		
Total for State		310		
North Dakota	July 1–Feb. 19	168		
Ohio, general	June 14–Jan. 2	337		
Cincinnati	Dec. 12–Apr 2	190	1	
Cleveland	Feb. 28–Apr. 2	4		
Columbus	Dec. 26–Mar. 2	14		Revised. 3 cases additional in Sept. and Oct.
Dayton	Jan. 24–Feb. 20	5		
Newark		3		Year 1908.
Tiffin	Jan. 3–23	2		
Total for State		555	1	
Oregon:				
Clackamas County	Sept. 1–30	1		
Harney County	Sept. 1–30	1		
Jackson County	Oct. 1–Dec. 31	9		
Lane County	Dec. 1–31	10		
Linn County	Sept. 1–Oct. 31	5		
Marion County	Sept. 1–Dec. 31	4		
Multnomah County	Dec. 1–31	5		
Portland	Nov. 1–Jan. 31	76		
Polk County	Sept. 1–Dec. 31	9		
Tillamook County	Oct. 1–31	1		
Umatilla County	Sept. 1–Dec. 31	6		
Wallowa County	Oct. 1–31	1		
Washington County	Oct. 1–Dec. 31	23		
Yamhill County	Sept. 1–Dec. 31	17		
Total for State		168		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18–Jan. 20	3		
New Castle	Feb. 1–28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 19–25	1		
Pittsburg	Dec. 13–19	1		Imported.
Prompton	Jan. 2–Feb. 10	3		
Total for State		11		
South Carolina:				
Winnsboro	Feb. 1–28	5		
Total for State		5		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
South Dakota:				
Aberdeen	May 1–Jan. 31	43		
Total for State		43		
Tennessee:				
Fayette County	Dec. 1–Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28–Mar. 20	18		
Memphis	Jan. 1–Mar. 13	190	1	
Murfreesboro	Mar. 15–31	1		
Nashville	Dec. 20–Mar. 27	42		
Polk County	Jan. 22	30		
Total for State		584	1	
Texas:				
Cost	Oct. 1–Dec. 19			Present.
Cotulla	Jan. 25–Feb. 17			Do.
Denton County	Jan. 1–Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10–Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1–28	3		
Galveston	Mar. 6–26	2		
Goliad County	Dec. 1–Jan. 20	25		
Houston	Jan. 1–Mar. 27	9		
Laredo	Dec. 26–Mar. 19	6		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–Mar. 27	78		
San Augustine County	Jan. 5			Do.
Total for State		408	1	
Utah:				
Beaver County	Feb. 1–28	2		
Carbon County	Feb. 1–28	1		
Cache County	Jan. 1–Feb. 28	62		
Davis County	Nov. 1–Feb. 28	32		
Emery County	Feb. 1–28	4		
Garfield County	Dec. 1–Feb. 28	26		
Millard County	Jan. 1–31	1		
Salt Lake County	Dec. 1–Feb. 28	162		
Salt Lake City	Dec. 1–Feb. 28	272	1	
Sanpete County	Dec. 1–31	1		
Sevier County	Jan. 1–Feb. 28	76		
Summit County	Dec. 1–Feb. 28	32		
Utah County	Dec. 1–31	1		
Weber County	Nov. 1–Feb. 28	6		
Total for State		678	1	
Vermont:				
Brattleboro	Dec. 5–Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Richmond	Mar. 14–20	1		
Total for State		11		
Washington:				
Bellingham	Jan. 25–Mar. 23	10		
Camas	Dec. 29–Mar. 8	18		
Seattle	Oct. 1–Feb. 28	18		
Spokane	Dec. 6–Mar. 20	12	1	
Tacoma	Dec. 14–Mar. 14	60		
Total for State		118	1	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville				Present in January.
Weston	Jan. 15–Feb. 13	1		
Total for State		2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin:				
Adams County	July 1–Sept. 30	3		
Barron County	July 1–Sept. 30	1		
Chippewa County	July 1–Sept. 30	6		
Dane County	July 1–Sept. 30	1		
Dodge County	July 1–Sept. 30	1		
Douglas County	July 1–Sept. 30	28		
Dunn County	July 1–Sept. 30	1		
Fond du Lac County	July 1–Sept. 30	3		
Green County	July 1–Sept. 30	2		
Iron County	July 1–Sept. 30	2		
Kewaunee County	July 1–Sept. 30	1		
La Crosse County—				
La Crosse	Dec. 13–Mar. 27	40		
Milwaukee County—				
City of Milwaukee	Dec. 6–Mar. 13	134		
Manitowoc County—				
Manitowoc	Dec. 13–Feb. 27	14		
Marathon County	July 1–Sept. 30	2		
Monroe County	July 1–Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6–20	2		
Ozaukee County	July 1–Sept. 30	3		
Pierce County	July 1–Sept. 30	4		
Polk County	July 1–Sept. 30	1		
Racine County—				
Racine	Mar. 21–27	5		
Rusk County	July 1–Sept. 30	3		
Sheboygan County	July 1–Sept. 30	32		
Total for State		301		
Grand total for the United States		7,415	25	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Altoona, Pa.	Mar. 13	38,973	21	3	1			4		4	1				
Do.	Mar. 27	38,973	18					4		1					
Ann Arbor, Mich.	Mar. 20	14,509	2									2		3	
Ashtabula, Ohio	Mar. 27	12,949	6											1	1
Baltimore, Md.	do.	508,957	235	27	44	5	1	10	1	12	2	121	2	2	1
Bath, Me.	Mar. 20	10,477						2							
Do.	Mar. 27	10,477						3							
Bayonne, N. J.	do.	32,722				1		1		2		16			
Beaver Falls, Pa.	do.	13,000	4	2	2	2									
Berkeley, Cal.	Mar. 20	13,214	9		1			4				8		1	
Biddeford, Me.	Mar. 27	16,145	3												
Biloxi, Miss.	do.	5,467	3	1		2									
Binghamton, N. Y.	do.	38,647	9		1										
Boston, Mass.	do.	560,892	248	81	25	6		49	2	77	11	90	5	8	2
Braddock, Pa.	do.	15,654	10							4	1				
Bradford, Pa.	do.	15,029	6					2		1	1				
Bristol, R. I.	do.	6,628	3											3	
Brockton, Mass.	do.	40,063	19	3	3	1		2		1		119	2	6	
Butte, Mont.	Mar. 23	30,470	12	1	5			14		4					
Cambridge, Mass.	Mar. 27	91,886		3	7			7		4		10		2	1
Camden, N. J.	do.	75,935	34	1				10		9		1			
Camden, S. C.	do.	2,441	2		1										
Carbondale, Pa.	do.	13,536	6					1							
Charlotte, N. C.	Mar. 26	18,091	10	2	2							8			
Chelsea, Mass.	Mar. 27	34,072	9	3	1			2							
Chicago, Ill.	do.	1,698,575	722	73	101	43	7	139	8	125	21	135	3	12	1

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Chicopee, Mass	Mar. 27	19,167	8	1				1							
Cleveland, Ohio	Mar. 26	381,768	160	38	17	9	1	7	1	19		34		31	2
Clinton, Mass	Mar. 27	13,667	4	1	1					1		1		1	1
Columbus, Ga	...do	17,614	4		1										
Columbus, Ohio	...do	125,560	64	5	9	3		7		3		4	1	1	
Concord, N. H	Mar. 20	19,632	15	2	2		1	2		4	1	45			
Do	Mar. 27	19,632	10	1	1					2		23			
Covington, Ky	...do	42,938	17		3			1		1					
Danville, Ill	Mar. 28	16,534	8					7				2			
Davenport, Iowa	Mar. 27	35,254		1	1			1		2		1		1	
Dayton, Ohio	...do	85,333	35		2					2	1	10			
Detroit, Mich	...do	285,704	159					15		17					
Duluth, Minn	Mar. 25	80,000	30	4	4			4		6					
Dunkirk, N. Y	Mar. 27	11,616	4			1		1						1	1
Elmira, N. Y	...do	35,672	15					2				4			
El Paso, Tex	Mar. 23	15,905	24	1	9	2		5				6	1		
Do	Mar. 30	15,905	23	1	3	1		3				8	1		
Elkhart, Ind	Mar. 27	15,184	7	1	1							2			
Evansville, Ind	...do	59,007	16	1		2				1					
Everett, Mass	...do	24,336	7					2	1						
Fall River, Mass	...do	104,863	43	1	1	1		8	1	4		7			
Findlay, Ohio	Mar. 20	17,613	3							1					
Do	Mar. 27	17,613	4							1					
Galesburg, Ill	...do	18,607	4												
Galveston, Tex	Mar. 26	37,789	9	3	3	6				2					
Glens Falls, N. Y	Mar. 27	13,543	4									17			
Gloucester, Mass	...do	26,121	8		1										
Grand Rapids, Mich	...do	87,565	32	3	4	5		23				3		7	
Great Falls, Mont	...do	14,930	5					13	2	1					
Greensboro, N. C	...do	10,035	2							1					
Greenville, S. C	Mar. 6	11,860	2					1							
Do	Mar. 13	11,860	3					2				1			
Do	Mar. 27	11,860	3					1							
Harrison, N. J	...do	10,596	6	1	2			2		1					
Hartford, Conn	Mar. 21	79,850	26		5	1		1	1	10	1	1			
Do	Mar. 28	79,850	29	4	3	2		1		1				1	
Hoboken, N. J	Mar. 27	59,364				1		3	1	2		2			
Houston, Tex	...do	44,633	28		5					1					
Hyde Park, Mass	...do	13,244		1		1						3	1		
Indianapolis, Ind	Mar. 28	169,164	68	2	9	2	1	2		4		50	1		1
Jacksonville, Fla	Mar. 27	28,429	25		5	3		1							1
Jacksonville, Ill	Mar. 5	15,078	7												
Do	Mar. 12	15,078	9							1					
Do	Mar. 19	15,078	2					1		1					
Do	Mar. 26	15,078	8												
Johnstown, Pa	Mar. 27	35,936	20		4			17		3		1			
Kansas City, Kans	...do	51,418	27	1	5	4	2	4		2		21			
Kansas City, Mo	...do	163,752	50	3	5	5	1	5	1	7		16			
Kearney, N. J	...do	10,896	7	1	2					1	1				
Kingston, N. Y	...do	24,535	15												
Knoxville, Tenn	...do	32,637	11	1	1	1				2		4			
La Crosse, Wis	...do	28,895			1		1								
Lafayette, Ind	Mar. 29	18,116	4		1			1				4			
Lancaster, Pa	Mar. 27	41,459	12		1					2		3			
Lawrence, Mass	...do	62,559	25		2			1		7	1	15	2		
Lebanon, Pa	...do	17,628	6	1	2			1		1					
Lexington, Ky	...do	26,369	13		2					1			1	7	
Little Falls, N. Y	Mar. 20	10,381	6												
Do	Mar. 27	10,381	3												
Los Angeles, Cal	Mar. 20	102,479	78	9	9	4	3	22		1	1	4			
Lowell, Mass	Mar. 27	94,469	41	4	2					1	1	1			
Lynn, Mass	...do	68,513	20		1			6		2		10			
Macon, Ga	...do	22,746	4	2		1	1							3	
Manchester, N. H	...do	56,987	30					3		8				1	1
Manitowoc, Wis	...do	11,786	2												
Mansfield, Ohio	...do	17,650						1				1		1	
Marinette, Wis	...do	16,195	4					1							
Marlboro, Mass	...do	13,609	8					1				3			
Massillon, Ohio	...do	11,944	3		1										
Medford, Mass	...do	18,244	6							1					
Melrose, Mass	...do	12,962	4											5	
Memphis, Tenn	Feb. 27	102,320						7		2					

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Memphis, Tenn	Mar. 20	102,320	46					4		4					
Do	Mar. 27	102,320						5		5					
Mobile, Ala	Mar. 20	38,469	16		4		1								
Do	Mar. 28	38,469	18		6										
Montclair, N. J	Mar. 27	13,962			1			1				13			
Montgomery, Ala	Mar. 26	30,346	14		3										
Moline, Ill	Mar. 28	17,248	3		1			3				20			
Morristown, N. J	Mar. 27	13,000	7					3							
Mount Vernon, N. Y	Mar. 13	21,228	11	2	2					1		17			
Muncie, Ind	Mar. 27	20,942	11									2			
Nanticoke, Pa	Mar. 28	12,616	4			1				1		20			
Nashville, Tenn	Mar. 27	80,865	38	4	3	1				2					
Nebraska City, Nebr	...do	7,200	1												
Newark, N. J	...do	246,070	113		14	3	2	58	1	14					1
New Brunswick, N. J	...do	20,006						1		1					
Newburyport, Mass	...do	14,478	4												
New London, Conn	...do	17,548	11					2							
New Orleans, La	...do	278,104	104	18	18	14		117	2	6	1				
Newton, Mass	...do	33,587	10	1				2		4		13			
New York, N. Y	...do	3,437,202	1,619	527	199	20	5	415	17	354	41	913	27	63	10
Niagara Falls, N. Y	...do	19,457	10	3		7	1	3		2		1			
Norristown, Pa	...do	22,265	12	9		1	2	1				22		2	
North Adams, Mass	...do	24,200	8												
Northampton, Mass	...do	18,643	3	1						1		10			
Oakland, Cal	Mar. 21	66,960	34	2	2	1		6		1		9			
Do	Mar. 28	66,960	24	2	5	3		3		3		19			
Orange, N. J	Mar. 27	24,141	4		1					1					
Ottumwa, Iowa	...do	18,197	3			2									
Paducah, Ky	Mar. 21	19,446	4	6						2	1				
Do	Mar. 27	19,446	11	6	5	1	1			1					
Passaic, N. J.[a]	Feb. 20	27,777	14	1						1		12		2	
Do	Mar. 6	27,777	17	1	2			2		1		7		3	
Do	Mar. 27	27,777	14					1		2		5			
Peekskill, N. Y	...do	10,358	5	1											
Philadelphia, Pa	Mar. 20	1,293,697	545	147	97	47	4	79	1	74	13	224	9	27	3
Do	Mar. 27	1,293,697	571	189	83	45	7	72	3	94	16	188	14	13	2
Pittsburg, Pa	...do	321,616	140	36	14	12	3	30	2	13	1	28		26	
Pittsfield, Mass	...do	21,766	9	3	2	1		3							
Plainfield, N. J	...do	15,369	4	2	2			1		1					
Plymouth, Pa	...do	13,649								4		2			
Port Huron, Mich	...do	19,158	3												
Portland, Me	Mar. 13	50,145	16	1	3			2	1						
Do	Mar. 20	50,145	24	1	2					2				5	
Portsmouth, N. H	Mar. 27	10,637			1					1					
Portsmouth, Va	Mar. 30	17,427	10					3		1	1				
Pottstown, Pa	Mar. 27	13,696	6			1	1								
Providence, R. I	...do	175,597	66	2	5	3		7		5	1	2			
Racine, Wis	...do	29,102	11		1			2							
Reading, Pa	Mar. 29	78,961	31	2	2	3		5		1				7	
Richmond, Va	Mar. 27	85,050	54	7	4	5	1			2				1	
Rock Island, Ill	...do	19,493	6					1				3	2		
Rutland, Vt	Mar. 20	11,499	8					1							
Do	Mar. 27	11,499	9							1		1			
Saginaw, Mich	Mar. 20	42,345	15					1		2		3			
Do	Mar. 27	42,345	18			1		3				2			
St. Joseph, Mo	Mar. 13	102,979	30	6	5			1				1			1
Do	Mar. 20	102,979	31		4			2							
St. Louis, Mo	Mar. 27	575,238	236	51	24	4	1	37	4	33	7	321	4	3	1
San Antonio, Tex	...do	53,321				5		1		2					
San Francisco, Cal	Mar. 20	342,782	143	33	21	4	2	14		15	2	87	2	16	
San Jose, Cal	...do	21,500	8		1										
Schenectady, N. Y	Mar. 27	31,682	13	6	2			4	1	1					
Shamokin, Pa	...do	18,202	5	2						1		32	2		
Somerville, Mass	...do	61,643	20	1	2			6	1	2		1			
South Bend, Ind	...do	35,999	21	1	1			2				2			
So. Bethlehem, Pa	...do	13,241	6	2								7			
Do.[b]	Apr. 1	13,241	10			4		1				12	1	2	
South Omaha, Nebr	Mar. 27	26,001						3							
Spokane, Wash	Mar. 20	38,848	27		2			16	3	5		32	1		
Springfield, Ill	Mar. 26	34,159	20					1		3					

[a] Reported out of date.

[b] Reports cover three days.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Springfield, Mass	Mar. 27	62,059	18	2	2			4		4		5			
Springfield, Ohio	...do	38,253	8	1	1					1					
Steelton, Pa	...do	12,068	2							1	1				
Superior, Wis	...do	31,091	7					10		3					
Taunton, Mass	...do	31,036	16	2	2										
Terre Haute, Ind	...do	36,673	21		3					1					
Titusville, Pa	...do	8,244	1					3							
Trenton, N. J	...do	73,307		7	5	6	1	3		2					
Walla Walla, Wash	...do	10,049	3			3						5			
Waltham, Mass	...do	23,481	13		1			5	1	3		23		1	
Washington, D. C	...do	278,718	131	33	12	8		8		5		289	2	10	1
Weymouth, Mass	...do	11,324	6		1					1	1				
Wheeling, W. Va	...do	38,878	15	1	1	4	1					1	1		
Wilkes Barre, Pa	Mar. 26	51,721	23	2	2			2		4		58		5	
Wilkinsburg, Pa	Mar. 28	13,000	6	2		2		3				4			
Williamsport, Pa	Mar. 27	28,757	5			1						2			
Wilmington, Del	...do	76,508	32		7						1				
Winona, Minn	Mar. 30	19,714	5		1										1
Woburn, Mass	Mar. 27	14,254	3		1			1							
Worcester, Mass	Mar. 20	118,421	47	8	3			3	1	4	1	8			
Do	Mar. 27	118,421	38	9	9			3		9		7		1	
Yonkers, N. Y	Mar. 4	47,931	23	3	5			7	1	3		27		2	
Do	Mar. 11	47,931	22	8	2			13		5		28			
Do	Mar. 18	47,931	15	4	2			9		5		28			
Do	Mar. 25	47,931	28		4			9		1		21			
York, Pa	Mar. 27	33,708		16		1		3		5		3			
Zanesville, Ohio	...do	23,538	15	6	2	5				6					

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FOREIGN AND INSULAR.

BARBADOS.

Reports from Bridgetown.—Inspection of vessels—Status of yellow fever—Measures for mosquito destruction—Statement of yellow fever conditions.

Acting Assistant Surgeon Urquhart reports, March 13 and 20:

Week ended March 13: Bills of health issued to 6 vessels, having a total number of 5 passengers and 194 members of crews. One vessel was fumigated. The sanitary condition of the above vessels, cargoes, crews, and passengers was good. Yellow fever is still present in this port. Three new cases of fever were reported during the week, with 2 deaths, 1 of the fatal cases being in this port. The other 2 cases were in the interior. In company with Sir Rubert Boyce, of the Liverpool School of Tropical Medicine, I visited 54 houses this morning and witnessed the application of measures of mosquito destruction against the *Stegomyia calopus*, a number of which were found, and the general cleaning of the various premises. The method is practically the same as that practiced in New Orleans in 1905. All barrels, tin vessels, bottles, and vessels of all descriptions capable of affording a breeding place for the *Stegomyia calopus* were emptied or confiscated.

Week ended March 20: Bills of health issued to 9 vessels carrying a total number of 80 passengers and 443 members of crews. The sanitary condition of the vessels, cargoes, crews, and passengers was good. One steamship was fumigated.

Four new cases, with one death, of yellow fever were reported during the week. The fatal case was in the interior; and 1 case, not fatal, in this port. All proper measures are being taken by the authorities to stamp out the epidemic.

Week ended March 27: Bills of health issued to 3 vessels carrying a total number of 6 passengers and 107 members of crews.

Three new cases of yellow fever were reported during the week, all occurring beyond the limits of the port. No deaths were reported from yellow fever during the week.

[INCLOSURE.]

In a memorandum submitted by Sir Rubert Boyce to the consular corps the following statements are made relative to yellow fever in Barbados:

The present epidemic of yellow fever has been a small one. It has never assumed serious proportions, nor are the conditions in the island such as to favor the spread of an epidemic. The total number of cases reported to date is 60, and for the past two weeks the

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number of cases reported is 7. At the present time the ability to overcome yellow fever is measured by the proportion of the *Stegomyia calopus* present in any given locality.

In 278 houses visited in Bridgetown the following receptacles containing water, or, in other words, potential breeding places for the *Stegomyia* were found: One hundred and twenty-one barrels, 78 tubs, 97 jars, 26 kerosene tins, and 143 buckets. Out of this total number the *Stegomyia* larvæ were present in only 41 premises.

Notices have been issued making it a penal offense to harbor the larvæ of the *Stegomyia*.

Several of the parishes have been visited, and the provision made in these parishes for dealing with an outbreak of yellow fever was found to be of the most recent kind. Temporary hospitals, thoroughly and efficiently screened, have been established under the direction of sanitary officers and the health board. Every step is being taken in conformity with the latest teaching in medical science to secure the stamping out of the present few cases of yellow fever, and the prevention of its recurrence in the future.

CHINA.

Reports from Shanghai—Inspection of vessels—Smallpox—Plague in rats—Precautions against infection of vessels by rats.

Acting Assistant Surgeon Ransom reports, February 25 and March 2:

Week ended February 20: Supplemental bills of health granted to 3 steamships, having an aggregate personnel of 650. There were inspected 2 vessels, 160 members of crews, and 1 steerage passenger, and manifests were viséed for 9,712 pieces of freight. Six pieces of freight were disinfected by steam, and 5 pieces of personal baggage were inspected and passed.

The steamship *Siberia*, Hongkong to San Francisco, lay in the stream at Woosung for 21 hours. She loaded from lighters during daylight only, and shore liberty was allowed to Europeans only. Inspection of the personnel from this port was held on board the tender at the hour of departure of the vessel.

The steamship *Iyo Maru*, Hongkong to Seattle, was scheduled to sail from Shanghai February 20, but owing to bad weather and lateness in arrival the vessel was delayed for 24 hours. She remained in port 24 hours, at buoy in the stream, and loaded from lighters during daylight only. Rat guards were provided for all lines to lighters. Liberty was granted to the captain and purser only. Inspection of the vessel and personnel was held on board at the hour of her departure.

The steamship *Suruga*, Yokohama to New York, remained in this port 4 days in the stream. She loaded from lighters during the entire 24 hours, and rat guards were provided for all lines to lighters and other craft alongside. Shore liberty was granted to the entire personnel. No disinfection was undertaken at this port, as the crew was to be changed at Hongkong. Inspection of the vessel and personnel was held on board at the hour of her departure.

The weekly report of the municipal health department shows among natives 1 death from smallpox.

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Plague conditions among rats in the settlement continue unchanged, except that 7 new foci of infection have been discovered, 6 of these being in the vicinity of the wharves, in which section the infection has been from the outset most prevalent.

Reports from Hankau and Tientsin show no cases or deaths from quarantinable disease.

Week ended February 27. Supplemental bill of health was granted to 1 steamship having an aggregate personnel of 308. This vessel, the steamship *China*, remained in this port for eighteen hours, during which time she lay in the stream at Woosung. She was loaded from lighters during daylight only, and shore liberty was allowed to Europeans only. Inspection of the passengers from Shanghai was held on board the tender for the vessel immediately before her departure. One emigrant was examined and passed, and 3 pieces of personal baggage were inspected and passed. There were also inspected and passed 3 pieces of freight. Manifests were viséed for 797 pieces of freight.

Infected rats continue to be found in the various sections, more particularly in the Hongkew district.

CUBA.

Reports from Cienfuegos—Inspection of vessels—Leprosy.

Acting Assistant Surgeon Suarez reports, March 22 and 28:

Week ended March 20.

Vessels inspected	3
Bills of health issued	3
Members of crews inspected	89

The sanitary condition of the city and port continues to be satisfactory. No quarantinable diseases have been reported.

Week ended March 27.

Vessels inspected	6
Bills of health issued	6
Members of crews inspected	152

A new case of leprosy was reported by the board of health. No other quarantinable disease was reported, and the health conditions of the city and port continue satisfactory.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, March 29:

Week ended March 27. Bills of health granted to 3 vessels leaving for United States ports. No quarantinable diseases were reported.

Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, March 23:

Week ended March 20. Bills of health issued to 6 vessels bound for the United States and its dependencies.

No quarantinable disease reported.

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ECUADOR.

Report from Guayaquil—Fumigation of vessels—Plague and yellow fever—Leprosy.

Passed Assistant Surgeon Wightman reports, March 18:

During the 3 weeks ended March 13, 4 steamships were fumigated.

Statistics from the lazarettoes.

	Yellow fever.		Plague.	
	New cases.	Deaths.	New cases.	Deaths.
Weeks ended—				
February 27	5	9	16	3
March 6	17	5	13	2
March 13	21	9	10	7

With the exception of leprosy, which is always present, no other quarantinable disease was reported in Guayaquil.

GERMAN EAST AFRICA.

Report from Dar-es-Salaam—Summary of plague—Examination of rats for plague infection.

Consul Garrels reports, February 25:

Two cases of plague, one of which was fatal, occurred October 10, 1908, at Dar-es-Salaam. The sanitary bureau directed the placing of rat poison in the infected area and advised householders to rid their premises of rats by means of traps and poisons. No plague was found among the rats examined. October 21 another plague death occurred in the infected district. The house was disinfected and closed. November 3 the city was declared free from plague under the terms of the Paris convention of December 3, 1903. November 24 a plague death occurred in the locality in which the first case occurred. Of 95 rats examined during the few days previous to this second outbreak, 3 were found to be plague infected. This case was followed by 3 cases occurring December 7, 10, and 17, respectively. The case reported December 7 occurred outside the area previously reported infected. Of these cases 2 were fatal. Between December 25 and 31 a plague case occurred; January 7, a fatal case was reported. Of 230 rats examined to December 19, 5 were found to be plague infected; between December 25 and 31, 1 per cent were found infected. The case reported January 7 occurred in the district first infected. January 14 the city was again declared free from plague. There has been no recurrence of plague to February 25.

GREAT BRITAIN.

Report from Bristol—Smallpox.

Vice-Consul Byington reports, March 15:

Smallpox has appeared in Bristol and vicinity. The disease has not assumed an epidemic form.

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HAWAII.

Report from Honolulu—Examination of rats at Honolulu and Hilo for plague infection.

Passed Assistant Surgeon Currie, plague laboratory, reports, March 15, through Temporary Chief Quarantine Officer Moore:

HONOLULU.

Week ended March 13.

Total rats taken	732
Trapped	730
Found dead (1 mus rattus and 1 mus norvegicus)	2
Examined bacteriologically	615
Plague infected	0
Classification of rats trapped:	
Mus alexandrinus	103
Mus musculus	311
Mus norvegicus	185
Mus rattus	133
Average number of traps set daily	1,556
Number of poisons placed (barium carbonate)	230
Rats from Hilo:	
Referred to this laboratory for bacteriological diagnosis	1
Still under investigation	3

HILO.

Week ended March 6.

Total rats taken	85
Trapped	76
Found dead	9
Examined by agent of board of health	80
Classification of rats:	
Mus alexandrinus	5
Mus musculus	6
Mus norvegicus	27
Mus rattus	47
Average number of traps set daily	1,050

INDIA.

Report from Calcutta—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, March 4:

Week ended February 20: At Calcutta, 28 deaths from cholera, 26 from plague, and 146 from smallpox; in Bengal, 277 cases of plague with 238 deaths. In India during the week ended February 13, 1909, there were 3,803 cases of plague with 3,162 deaths.

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ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, March 15:

Week ended March 13—Vessels inspected at Naples and Palermo.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 7	Hamburg	New York	948	90	1,250
9	Sannio	do	1,905	80	2,150
9	Ancona	Philadelphia	2,169	150	2,280
10	Liguria	do	999	70	1,150
10	Canopic	Boston	1,064	80	1,580
11	Regina d'Italia	New York	1,084	70	1,250
11	Carpathia	do			
11	Calabria	do	445	25	680
13	Cedric	do	1,802	90	2,350
	Total		10,416	655	12,690

PALERMO.

Mar. 12	Regina d'Italia	New York	592	586	156
12	Calabria	do	513	580	158
	Total		1,105	1,166	314

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Mar. 7	Hamburg	23	1	10		7	41
9	Sannio	57	3	13	1	14	88
9	Ancona	44	2	31		8	85
10	Liguria	17	4	10		7	38
10	Canopic	16	2	17	1	8	44
11	Regina d'Italia	22		11		3	36
11	Carpathia						
11	Calabria	10	1	6			17
13	Cedric	16	3	7		9	35
	Total	205	16	105	2	56	384

PALERMO.

Mar. 12	Regina d'Italia	28		30		3	61
12	Calabria	14		24		6	44
	Total	42		54		9	105

Smallpox in Naples.—Week ended March 13. Twenty-six cases of smallpox, with 6 deaths reported at the health office of the city of Naples.

Status of smallpox in Italy.—Week ended March 14: Bertonico (Milan), 1 case; Furci (Chieti), 3; Milazzo (Messina), 1.

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JAPAN.

Report from Yokohama—Inspection and fumigation of vessels—Smallpox on steamship Ghazee—Plague infected rats at Yokohama and Tokyo—Summary of transactions of service for the month of February, 1909.

Passed Assistant Surgeon Cumming reports, March 3:

During the 2 weeks ended February 27 there were inspected 14 vessels having an aggregate of 1,200 members of crews and 451 passengers.

The steamship *Ghazee*, from Yokohama, for New York, on her trip en route to this port, took on 1 man at Singapore. On arrival at Hongkong this man and 2 others were suffering from smallpox. The vessel was disinfected, but 12 days after disinfection secondary cases occurred and the vessel was disinfected at Moji. Several days later, 3 men were removed at Kobe on account of fever, and a telegram from Kobe informed the Japanese quarantine officials here that the men were found to have smallpox. The vessel was remanded to Nagahama and her crew were disembarked and bathed. Their effects were disinfected and the usual sprinkling with carbolic solution was performed in the forecastle. On the return trip the living apartments of the vessel were disinfected, unvaccinated members of the crew vaccinated, and the holds fumigated on account of rats.

Examination of rats in this city showed infected rats found last week and one found this week in the suburb of Yokohama known as Tobe machi, a low-lying suburb in which coolies who work on vessels discharging cargo, etc., live. This is the same locality in which rats were found last year.

Plague-infected rats have also been found in the Niho-bashi area of Tokyo, the very center of that great city, as well as in Fukugawa district across the river, and energetic action is reported as being taken by the authorities to eradicate plague infection.

During the month of February there were inspected at this station 147 intending steerage passengers for America or Hawaii, of whom 112 were passed, 98 certified upon manifest lists, 3 certified as suffering from trachoma, and 32 held for treatment and diagnosis.

Summary, February, 1909.—During the month of February 110 persons were bathed, of whom 12 were destined for Canada, and 273 pieces of baggage disinfected.

Examination of emigrants.

Number of emigrants, per steamship *China* March 6, held for observation: For San Francisco, 2; for Honolulu, 1.

Reports from Kobe—Inspection of vessels—Examination and disinfection of emigrants—Plague and smallpox—Spread of trachoma in Japan—Proposed measures against trachoma.

Acting Assistant Surgeon Knight reports, March 3 and 10:

During the week ended February 27, 9 supplemental bills of health were granted to 9 steamships and 1 original bill of health was granted to 1 schooner.

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There were inspected 328 members of crews and 204 steerage passengers. Nine members of crew and 25 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 88 and of bedding 50. Manifests were viséed for 70,826 pieces of freight, amounting to 6,494 tons.

Emigrants were examined as follows: Steamship *Siberia* for Honolulu, passed 7, recommended for rejection 24; steamship *Siberia* for San Francisco, passed 2, recommended for rejection 2; steamship *Iyo Maru* for Seattle, passed 15, recommended for rejection 5.

The emigrants passed, together with 1 intending passenger to Victoria by the steamship *Iyo Maru*, were inspected, bathed, and disinfected before embarkation. Their effects were disinfected.

The official returns of infectious diseases for the week show 1 case of plague in Kobe.

It is reported that trachoma is rapidly increasing in Japan. The Hiogo assembly has made an appropriation to aid in stamping out the disease. It is proposed to treat 5,000 people in this prefecture during the next fiscal year. In localities where the disease is most prevalent houses will be visited by physicians, who will examine each inmate and those persons found suffering with the disease will be certified for treatment.

During the week ended March 6, 3 supplemental bills of health and 1 original bill of health were granted.

There were inspected 223 members of crews and 172 steerage passengers. Seventy-nine members of crew and 25 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 240 and of bedding 50. Manifests were viséed for 24,371 pieces of freight, amounting 1,889 tons.

Emigrants were examined as follows: Steamship *China* for Honolulu, passed 25, recommended for rejection 1.

The official returns of infectious diseases for the week show 1 case of plague with 1 death and 1 case of smallpox with 1 death in Kobe.

MEXICO.

Report from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports, March 25:

Week ended March 24. Two supplement bills of health and one original bill of health were issued to vessels sailing from this port for the United States during the last week.

No cases of any quarantinable disease have been reported.

Report from Tampico— Water supply—Sanitary work—Hospitals.

Consul Trippitt reports, March 17:

The sanitary condition of this port is excellent. The water used comes from the Tamesi River, several miles distant from the city, and the work of filling in the lower section of the city is being carried out on an enormous scale. A steel wharf has been erected.

The death rate is high in proportion to the population, but the chief causes of death are tuberculosis and pneumonia, and diseases of children under 2 years of age. The death rate among the foreign population is exceedingly small.

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The national railroads of Mexico have a thoroughly appointed and equipped hospital at La Barra, a suburb of Tampico on the Gulf, for the use of railway employees, and there is also a public hospital at Tampico maintained by the city. A new and modern hospital is maintained by the city and state governments at Victoria, the capital of this State. The health conditions in that vicinity at present are excellent.

PERU.

Report from Callao—Inspection and fumigation of vessels—Plague at Callao—Status of plague in Peru—Plague in Chile.

Acting Assistant Surgeon Gutierrez reports, March 7 and 14:

Week ended March 6. Bills of health were issued to 3 vessels, with an aggregate personnel of 176 in the crews and with 89 cabin and 32 steerage passengers. Two of the vessels were fumigated.

The following is the latest report on plague in Peru received from the Director de Salubridad Pública:

Locality.	Cases February 19.	New.	Recovered.	Died.	Remaining February 25.
Department of Lima	12	8	3	1	16
Department of Callao	7	1	.....	.....	8
Department of Libertad	41	12	8	5	40
Department of Arequipa	2	3	.....	1	4
Department of Piura	5	.....	.....	1	4
Department of Cajamarca	4	3	*2	(*)	*3
Department of Lambayeque	16	6	1	4	17

The figures with the sign (*) have been misswired.

No cases of smallpox have been reported at Lima or Callao. Since report of March 1, one case of plague has been reported at Callao.

Bills of health report plague in Chile as follows: Iquique, February 22, 19 cases in the lazaretto; 8 cases and 3 deaths in 2 weeks.

Week ended March 13. Two steamships, having an aggregate personnel of 167 members in the crew and 112 cabin and 51 steerage passengers, were fumigated.

The following is the latest report on plague in Peru received from the Director de Salubridad Pública:

Locality.	Cases February 26.	New.	Recovered.	Died.	Remaining March 4.
Department of Lima	16	5	5	2	14
Department of Callao	8	1	3	.....	6
Department of Libertad	40	10	11	3	36
Department of Lambayeque	17	*1	2	1	*16
Department of Arequipa	4	.....	1	.....	3
Department of Piura	4	2	(*)	*1	*2
Department of Cajamarca	3	13	.....	5	11

The figures with the sign (*) have been misswired. One case of plague has been reported in Callao since report of March 7.

Bills of health report plague in Chile as follows: Antofagasta, February 28, 15 cases of plague isolated; Iquique, March 8, 13 cases of plague isolated in the lazaretto; 7 cases and 6 deaths in 2 weeks; Arica, March 9, a few cases of plague.

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PHILIPPINE ISLANDS.

Reports from Manila—Smallpox—Status of cholera in the provinces—Cholera infection in the province of Capiz—Inspection of vessels—Quarantine transactions, month of January, 1909.

Chief Quarantine Officer Heiser reports, February 16 and 23:

Week ended February 13: One case of smallpox with one death was reported for the city of Manila.

The following is a list of the provincial cholera cases and deaths reported to the bureau of health during the week:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Rizal	1	.....	Laguna	17	12
Bohol	15	12	Sorsogon	12	10
Capiz	75	49			
Pampanga	6	3	Total	126	86

Of the 126 cases and 86 deaths from cholera reported from the provinces, the larger number occurred in the province of Capiz, which is situated on the north coast of the island of Panay. It is believed that a true endemic focus of the disease exists at Capiz, and that it is from this focus that the islands of Samar, Leyte, Mindanao, Negros, and Bohol are directly or indirectly infected. The disease is known to have been present in Capiz for at least three years, though the center of the infection has not been definitely determined. A physician with a corps of sanitary inspectors has been sent there for the purpose of making a fuller study of this question.

From time to time a few mild outbreaks are being reported in the provinces in the vicinity of Manila. These outbreaks have yielded readily to the sanitary measures which have been applied, and there has been no marked tendency of the disease to assume an epidemic character. There have been no new cases of cholera in the city of Manila during the current year.

During the week consular bills of health were issued at the port of Manila as follows:

February 9, the British steamship *Kenley*, with 57 in the crew, en route from Cebu to Boston and New York, was granted a supplemental bill of health after the usual inspection of personnel and cargo. February 9, the British steamship *Suveric*, with 70 in the crew, was granted a bill of health for Tacoma via Hongkong and Japanese ports. The cargo and personnel were inspected and passed. February 10, the British steamship *Trafalgar*, with 31 in the crew, was granted a bill of health for New York. The vessel was fumigated throughout while in port. The cargo was inspected and certified. The crew was inspected on board at the hour of sailing. February 10, the British steamship *Loongsang*, with 62 in the crew, en route from Hongkong to Iloilo, was granted a supplemental bill of health. February 12, the British steamship *Indrapura*, hemp laden, was granted a bill of health for New York via Cebu and Manila, after the usual inspection of cargo and personnel.

Week ended February 20: Six cases of smallpox reported for the city of Manila.

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The following is a list of the provincial cholera cases and deaths reported to the bureau of health during the week:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Bohol	59	32	Samar	5	2
Capiz	40	31	Sorsogon	20	9
Cavite	5	3	Nueva Ecija	1	1
Pampanga	2	2			
Laguna	13	12	Total	145	92

Consular bills of health issued at the port of Manila: February 15 the United States Army Transport *Thomas*, with 177 crew and 515 passengers, granted a bill of health for San Francisco via Nagasaki and Honolulu. Crew and steerage passengers bathed and their effects and baggage disinfected. Cargo and baggage inspected and either disinfected or passed and so certified. Vessel partially disinfected at the Mariveles quarantine station. All persons on board inspected at the hour of sailing. February 19 the British steamship *Oanfa*, with 91 crew, en route from Glasgow to Seattle and Tacoma, granted a supplemental bill of health after the usual inspection of cargo and personnel. February 20 the American schooner *W. H. Talbot*, with 11 crew, granted a bill of health for Port Townsend. Crew inspected on board at the hour of sailing.

Quarantine transactions of the service in the Philippine Islands during the month of January, 1909:

MANILA.

Bills of health issued	247
Vessels inspected	73
Passengers on arriving vessels inspected	2,706
Persons vaccinated	37
Members of crews on arriving steamships inspected	3,908
On arriving sailing vessels inspected	118
Persons bathed and effects disinfected	427
Steamships partially disinfected	2
Steamships fumigated to exterminate vermin	4
Sailing vessel fumigated to exterminate vermin	1
Pieces of baggage disinfected	569
Pieces of baggage inspected and passed	97
Steamships sailing without quarantine inspected and passed	9
Steamship disinfected	1
Members of crews on vessels inspected	597
Passengers on vessels inspected	487
Members of crews bathed and effects disinfected	138
Passengers bathed and effects disinfected	349
Pieces of baggage disinfected	1,423
Pieces of baggage inspected and passed	2,114
Pieces of miscellaneous cargo certified	25,138

ILOILO.

Bills of health issued	8
Vessels inspected	15
Passengers on arriving vessels inspected	315
Members of crews on arriving steamships inspected	764
Persons vaccinated	18

CEBU.

Bills of health issued	10
Vessels inspected	381
Passengers on arriving vessels inspected	1,764

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Members of crews on arriving steamships inspected	3,712
Members of crews on arriving sailing vessels inspected	1,756
Persons bathed and effects disinfected	15
Persons detained in quarantine	290
Vessels disinfected	2
Steamships fumigated to exterminate vermin	3
Sailing vessels fumigated to exterminate vermin	6
Vessels entering quarantine	2
Cases of quarantinable diseases detected on vessels, cholera	2
Pieces of baggage disinfected	23

CAVITE.

Bill of health issued	1
Vessel inspected	1
Members of crews on arriving steamships inspected	781

OLONGAPO.

No transactions.

DAVAO.

No transactions.

ZAMBOANGA.

Vessels inspected	4
Passengers on arriving vessels inspected	108
Members of crews on arriving steamships inspected	223

JOLO.

Vessels inspected	3
Passengers on arriving vessels inspected	26
Members of crews on arriving steamships inspected	128

RUSSIA.

Report from Libau—Status of cholera in Russia—Cholera bacilli found in water supply at Kronstadt—Examination of emigrants.

Acting Assistant Surgeon De Forrest reports, March 19:

Reports from St. Petersburg for March 12 to 19, inclusive, show 41 cases of cholera, with 7 deaths. To March 15, from the outbreak of the epidemic, there have been reported 10,230 cases—3,993 deaths and 6,106 recoveries.

At other localities in Russia cholera is reported as follows:

Jaroslav, March 13, 7 new cases; Rybinsk, March 13, 7 new cases.

Examination of water at Kronstadt, March 18, showed the presence of cholera bacilli.

During the week 1,161 emigrants sailing by the steamship *Russia* were examined.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Lourenço Marquez.*—Month of January. 1909. Estimated population, 10,000. Total number of deaths 41, including smallpox 1, and 8 from tuberculosis.

EGYPT—*Alexandria.*—Month of February, 1909. Estimated population, 420,000. Total number of deaths not reported. Deaths from contagious diseases reported were: Smallpox 9, enteric fever 7, scarlet fever 2, diphtheria 7, measles 31, and 69 from tuberculosis.

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GERMANY—*Bavaria—Munich.*—Month of January, 1909. Estimated population 566,000. Total number of deaths 791, including enteric fever 1, scarlet fever 9, diphtheria 16, measles 12, whooping cough 13, and 111 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended March 13, 1909, correspond to an annual rate of 22.1 per 1,000 population, which is estimated at 16,445,281.

London.—Two thousand two hundred and twenty-one deaths were registered during the week, including measles 105, scarlet fever 9, diphtheria 22, enteric fever 4, whooping cough 35, tuberculosis 169, and 10 from diarrhea. The deaths from all causes correspond to an annual rate of 24 per 1,000. In Greater London 3,115 deaths were registered. In the "outer ring" the deaths included 12 from measles, 4 from scarlet fever, 3 from diphtheria, whooping cough 6, and 1 from enteric fever.

Ireland.—The average annual death rate represented by the deaths registered during the week ended March 13, 1909, in the 21 principal town districts of Ireland was 23.9 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Queenstown, viz, 6.6, and the highest in Dundalk, viz, 63.8 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended March 13, 1909, correspond to an annual rate of 21.6 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Perth, viz, 27.9, and the lowest in Leith, viz, 15.2 per 1,000. The aggregate number of deaths registered from all causes was 771, including diphtheria 10, measles 2, scarlet fever 5, enteric fever 1, and 55 from whooping cough.

Aberdeen.—Month of February, 1909. Estimated population, 181,918. Total number of deaths, 270, corresponding to an annual death rate of 19.4 per 1,000 of population, including measles 8, whooping cough 20, diphtheria 6, enteric fever 1, and 24 from tuberculosis.

Dundee.—Month of February, 1909. Estimated population, 169,409. Total number of deaths, 302, corresponding to an annual death rate of 23.3 per 1,000 of population, including scarlet fever 6, whooping cough 10, diphtheria 9, and 35 from tuberculosis.

Edinburgh.—Month of February, 1909. Estimated population, 355,366. Total number of deaths, 486, corresponding to a death rate of 17.8 per 1,000 of population, including measles 1, scarlet fever 2, whooping cough 14, diphtheria 4, enteric fever 1, and 56 from tuberculosis.

Glasgow.—Month of February, 1909. Estimated population, 872,021. Total number of deaths, 1,291, corresponding to an annual death rate of 19.3 per 1,000 of population, including scarlet fever 9,

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whooping cough 115, diphtheria 22, enteric fever 10, and 149 from tuberculosis.

MAURITIUS—*Port Louis.*—Month of December, 1908. Estimated population, 376,635. Total number of deaths not reported. Deaths from contagious diseases were: Enteric fever 4, diphtheria 2, plague 34, and 66 from tuberculosis.

SPAIN—*Cadiz.*—Month of February, 1909. Estimated population, 69,382. Total number of deaths, 190, including typhus fever 2, whooping cough 32, and 28 from tuberculosis.

Huelva.—Month of February, 1909. Estimated population, 24,000. Total number of deaths, 65, including enteric fever 1, and 14 from tuberculosis.

Madrid.—Month of February, 1909. Estimated population, 556,-663. Total number of deaths, 1,912, including smallpox 25, enteric fever 21, scarlet fever 2, diphtheria 18, measles 84, whooping cough 8, typhus fever 66, and 160 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to April 9, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Dec. 5	12	10	
China:				
Hongkong	Dec. 28-Jan. 16	2	2	
India:				
Bombay	Dec. 9-Feb. 23		85	
Calcutta	Nov. 1-Feb. 27		234	
Madras	Nov. 14-Mar. 5		56	
Negapatam	Oct. 31-Feb. 12		11	
Rangoon	Nov. 8-Feb. 27		51	
Indo-China—Cholen	Nov. 9-15	1	1	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1-Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1-Jan. 16	260	163	
Bataan	Nov. 1-7	1	1	
Bohol	Dec. 20-Feb. 20	192	119	
Bulacan	Nov. 1-Jan. 30	88	70	
Cagayan	Nov. 1-Jan. 16	114	67	
Capiz	Nov. 1-Feb. 20	1,344	758	
Cavite	Nov. 1-Feb. 20	110	81	
Cebu	Dec. 20-Feb. 6	21	15	
Ilocos Norte	Nov. 1-Jan. 16	335	235	
Ilocos Sur	Nov. 1-Jan. 2	207	140	
Iloilo	Nov. 1-Jan. 16	293	154	
Isabela	Jan. 24-30	2		
La Laguna	Nov. 1-Feb. 20	117	79	
Leyte	Nov. 1-Jan. 30	155	124	
Negros Occidental	Nov. 1-Jan. 16	272	175	
Nueva Ecija	Feb. 14-20	1	1	
Palawan	Nov. 1-Dec. 19	10	5	
Pampanga	Nov. 1-Feb. 20	70	46	
Rizal	Nov. 1-Feb. 20	246	216	
Samar	Nov. 1-Feb. 20	165	109	
Sorsogon	Jan. 10-Feb. 20	98	64	
Surigao	Nov. 15-Jan. 12	7	4	
Union	Nov. 1-Jan. 12	12	8	
Zambales	Dec. 6-12	3	3	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia, general	Nov. 15-Mar. 13	4,210	1,762	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15-Jan. 23	34	13	
Bakoo	Nov. 22-28	3	2	
Batoom	Nov. 15-21	4	2	
Charkov	Dec. 6-Mar. 13	6	1	
Cronstadt	Nov. 15-Jan. 16	3	1	
Don, territory of	Nov. 15-Mar. 6	190	97	
Ekaterinislav	Nov. 15-Dec. 26	27	11	
Erivan	Dec. 1-31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7-Mar. 13	60	26	
Kherson	Nov. 15-Dec. 19	2	.....	
Kief	Nov. 15-Dec. 12	11	1	
Kooban	Nov. 15-Jan. 2	139	76	
Kostroma	Dec. 6-12	1	.....	
Livonia	Nov. 15-21	2	1	
Moscow district	Dec. 6-Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17-23	1	1	Imported.
Odessa	Nov. 29-Dec. 12	2	2	
Olonets	Nov. 21-28	1	1	
Poltava	Nov. 29-Dec. 5	3	.....	
Romanov-Borisoglyebsk	Mar. 10	.....	.....	Present.
Rybinsk	Mar. 13	7	.....	
Samara gov't dist	Nov. 29-Dec. 5	7	7	
Samarcand	Dec. 6-12	10	7	In vicinity.
Saratov	Nov. 15-Dec. 12	11	6	
Semipalatinsk, territory of	Dec. 19-26	1	.....	
Stavropol	Nov. 15-21	1	.....	
St. Petersburg, government	Nov. 15-Mar. 13	32	34	
St. Petersburg	Nov. 29-Mar. 13	2,200	694	Mar. 19, still present.
Tambov	Nov. 15-Dec. 12	16	8	
Tavride	Nov. 15-Dec. 19	9	5	
Terek, territory of	Nov. 15-Dec. 19	99	62	
Tiflis	Nov. 15-21	9	4	
Tomsk	Nov. 15-Jan. 23	102	48	
Toula	Feb. 21-Mar. 6	7	2	
Tver, district	Nov. 15-Dec. 5	4	.....	
Volgoda	Dec. 6-12	1	.....	
Yellsavetpol	Nov. 26-Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1-Dec. 5	1	.....	
Straits Settlements:				
Penang	Feb. 27	1	.....	From s. s. Sunki Maru.
Singapore	Nov. 8-Feb. 27	.....	165	

YELLOW FEVER.

Barbados, general	Dec. 12-Mar. 27	57	19	Including the parishes of St. Andrew, St. Lucy, and St. Joseph.
Bridgetown	Dec. 12-Mar. 20	11	.....	
Speightstown	Mar. 7	1	.....	
Brazil:				
Bahia	Nov. 15-Feb. 27	119	40	
Manaos	Nov. 29-Feb. 27	.....	11	
Para	Nov. 22-Mar. 6	.....	41	
Pernambuco	Nov. 15-30	.....	1	
Colombia:				
Cartagena	Jan. 8-14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1-2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1	.....	
Dutch Guiana:				
Paramaribo	Dec. 1-Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29-Mar. 13	.....	52	
Martinique:				
Fort de France	Dec. 13-Mar. 6	5	1	
Mexico:				
Itzincal plantation	Dec. 6-12	2	2	
Maxcanu	Dec. 6-Jan. 23	5	4	Aug. 22-Dec. 18, 5 cases not previously reported.
Merida	Dec. 6-Mar. 6	15	8	
San Bernardo plantation	Dec. 27-Mar. 20	7	4	
Sodzil plantation	Dec. 13-Jan. 2	7	5	
Ticul	Feb. 1-Mar. 6	2	1	
Veracruz	Dec. 6-Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20	.....	1	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Azores:				
Terceira	Feb. 1-28	15	5	
Australia:				
Brisbane	Nov. 1-7	1	1	
Brazil:				
Bahia	Nov. 15-Feb. 27	51	26	
Para	Jan. 24-Feb. 6		2	
Pernambuco	Nov. 1-Dec. 31		10	
Rio de Janeiro	Nov. 16-Feb. 28	68	35	
Chile:				
Antofagasta	Feb. 28	15		
Arica	Mar. 9			Present.
Iquique	Nov. 22-Mar. 8	48	16	Mar. 8, 13 cases in the lazaretto.
Taltal	Feb. 11			Present.
China:				
Amoy	Mar. 16			Present.
Hankau	Nov. 30-Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8-Jan. 2	2	2	
Tientsin	Oct. 18-Nov. 21			Feb. 16, again present.
Tongshan	Nov. 1-14			Present.
Ecuador:				
Babahoyo	Jan. 16	3		
Guayaquil	Nov. 29-Mar. 13		59	
Milagro	Nov. 17-Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25-Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14-Jan. 20	4		
Port Said	Dec. 4	1		
Suakim	Feb. 1	1		On ss. Huriet II.
Provinces—				
Assiout	Dec. 2-Mar. 17	15	13	
Beherach	Nov. 24-Dec. 26	11	6	
Dakaklieh	Feb. 4-Mar. 18	5	5	
Galyoobeeyeh	Nov. 21-Feb. 2	3		
Garbieh	Nov. 27-Jan. 28	4	2	
Girgeh	Oct. 18-Mar. 14	8	8	
Fayoum	Nov. 23-Dec. 1	1	1	
Menouf	Nov. 27-Jan. 17	155	35	
Minieh	Nov. 25-Feb. 9	5	4	
German East Africa:				
Dar-es-Salaam	Oct. 10-Jan. 7	7	5	
India:				
Bombay Presidency and Sind.	Nov. 2-Feb. 6	13,730	9,692	
Madras Presidency	Nov. 2-Feb. 6	881	636	
Bengal	Nov. 2-Feb. 6	2,321	1,948	
United Provinces	Nov. 2-Feb. 6	2,819	2,334	
Punjab	Nov. 2-Feb. 6	7,078	5,951	
Burma	Nov. 2-Feb. 6	2,790	2,651	
Central provinces, including Berar.	Nov. 2-Feb. 6	2,931	2,243	
Coorg	Nov. 2-Dec. 17	5	3	
Mysore State	Nov. 2-Feb. 6	2,249	1,596	
Hyderabad State	Nov. 2-Feb. 6	507	416	
Central India	Nov. 2-Feb. 6	634	495	
Rajputana	Nov. 2-Feb. 6	1,437	1,405	
Grand total		37,382	29,370	
Indo-China:				
Cholen	Oct. 25-Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25-Jan. 30	12	11	
Japan:				
Formosa	Nov. 8-Feb. 27	164	128	Mainly in the central part.
Kagi, prefecture	Jan. 16	5		
Hiogo				Year 1908, 219 cases additional.
Kagoshima	Feb. 6	1		From ss. Shinkochi Maru.
Kobe	Jan. 20-Mar. 6	4	3	3 cases from ss. Ghazee.
Nara				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases.
Osaka	Dec. 22-Jan. 29	3	1	Year 1908, 59 cases additional. Case Jan. 29, on ss. Shinkochi Maru.
Yura		116	83	Year 1908.
Mauritius	Oct. 2-Jan. 14		106	
Peru:				
Arequipa, general	Feb. 19-25	3	1	
Mollendo	Nov. 1-Feb. 18	1	5	
Cajamarca, general	Feb. 19-Mar. 4	16	5	
Cascas	Feb. 12-18	12	5	
Chota	Jan. 22-Feb. 18	8	8	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Callao, general	Feb. 19-Mar. 4	2		
Callao	Nov. 13-Feb. 18	26	11	
Lambayeque, general	Feb. 19-Mar. 4	6	5	
Chiclayo	Nov. 13-Feb. 18	44	23	
Eten	Nov. 13-Dec. 31	11	10	
Jayanca	Feb. 4	12		
Lambayeque	Feb. 18	12		
Motupe	Dec. 17-Jan. 14	2		
San Jose	Nov. 13-Dec. 3	2		
Zaña	Jan. 14-Feb. 18	4	2	
Libertad, general	Feb. 19-Mar. 4	22	8	
Casma	Feb. 4	1	1	
Chepen	Nov. 27-Feb. 18	19	6	
San Pedro	Nov. 13-Feb. 18	28	21	
Trujillo	Nov. 13-18	153	70	
Lima, general	Feb. 19-Mar. 4	13	3	
Chorrillos	Jan. 22-Feb. 4	2	2	
Lima	Nov. 13-Feb. 18	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15		
Piura, general	Feb. 19-Mar. 4	2	1	
Catacaos	Dec. 11-Feb. 18	7		
Paita	Dec. 11-17	3	2	
Piura	Dec, 11-Jan. 14	6	4	
Siam:				
Bangkok	Sept. 27-Dec. 26	12	6	Present in November.
Straits Settlements:				
Singapore	Nov. 30-Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6-Feb. 5	14	7	
Beirut	Dec. 17-Jan. 9	5	5	
Jiddah	Dec. 12-Mar. 6	108	96	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	Dec. 1-Feb. 28		78	Imported.
Arabia:				
Aden	Nov. 25-Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1-Dec. 31		2	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1		
Austria:				
Bohemia	Feb. 7-13	7		
Galicia	Dec. 20-Jan. 23	8		
Silesia	Jan. 3-9	1		
Brazil:				
Bahia	Nov. 15-Feb. 27	293	22	
Para	Feb. 14-27	2	1	
Pernambuco	Nov. 1-Jan. 31		97	
Rio de Janeiro	Nov. 16-Feb. 18	1,285	633	
Santos	Nov. 1-Dec. 20		10	
São Paulo	Nov. 1-Feb. 7		52	
British Honduras:				
Stann Creek	Feb. 5-Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28-Jan. 2	4		
Canada:				
British Columbia—				
Vancouver	Dec. 1-Feb. 28	4		
Victoria	Dec. 12-Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20-Jan. 20	6		
Ontario, Province, general	Dec. 1-31	118		
Hamilton	Jan. 17-23	1		
Toronto	Nov. 8-28	7		
Nova Scotia—				
Halifax	Dec. 13-Mar. 27	68		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1-Mar. 27	29		Revised.
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Ceylon:				
Colombo	Nov. 1-21	62	13	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Chile:				
Talcaguana	Nov. 20-Jan. 28			Present in vicinity.
Valparaiso	Dec. 6-19	2		
China:				
Amoy	Oct. 11-Nov. 8		2	Dec. 19, still present.
Hongkong	Jan. 3-30	4	2	
Shanghai	Nov. 11-Feb. 20	4	4	3 cases Nov. 11-Dec. 28 from U. S transport Seward.
Tientsin	Jan. 17-30	9	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26-Mar. 25	4		Case Dec. 26 on s. s. Floride, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12-Feb. 25	737	164	
Alexandria	Nov. 26-Feb. 28	42	26	
Cairo	Nov. 19-Feb. 25	357	157	
France:				
Marseille	Dec. 1-Jan. 31		2	
Nice	Jan. 1-31	1		
Paris	Nov. 22-Mar. 13	47	2	
Toulon	Jan. 1-31	1		
Germany, general	Nov. 19-Mar. 20	42		
Bremen	Jan. 16-23	2		
Breslau	Dec. 20-26	1		
Brunswick	Feb. 16-20	1		
Hamburg	Mar. 13	2		Among Russian emigrants.
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22-Mar. 6		5	
Patras	Dec. 16-31	1	1	
Great Britain:				
Bristol	Dec. 13-Mar. 20	23	5	
London	Feb. 1-6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25-Mar. 9		141	
Calcutta	Nov. 1-Feb. 27		1,288	
Madras	Nov. 28-Mar. 5		15	
Rangoon	Nov. 22-Feb. 27		28	
Indo-China:				
Cholen	Nov. 15-Dec. 5	6	5	
Saigon	Nov. 1-Feb. 13	12	9	
Italy, general	Nov. 30-Mar. 14	179		
Catania	Feb. 28-Mar. 13	6		
Cinquefrondi	Jan. 15-21	13		
Florence	Nov. 24-Mar. 10	4		
Genoa	Dec. 1-Feb. 28	8		
Naples	Dec. 7-Mar. 13	304	57	Jan. 18, 1 case on s. s. Europa.
Palermo	Jan. 24-Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15-21	2		
Japan:				
Formosa	Nov. 29-Feb. 27	16		
Kobe	Feb. 14-Mar. 6	5	2	
Tokyo	May 8-Dec. 31	314		
Java:				
Batavia	Nov. 1-Feb. 20	51	4	
Malta	Nov. 22-Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17-30	1	1	
Mexico:				
Acapulco	Jan. 11-31	12		
Acayucan	Mar. 17			Present.
Guadalajara	Jan. 7-Mar. 25	5	8	
Mexico City	Nov. 8-Feb. 20		129	
Monterey	Jan. 4-Mar. 28		16	
Salina Cruz	Jan. 1-15	5		
Tehuantepec	Jan. 28-Feb. 3			Do.
Veracruz	Dec. 13-Mar. 20	7	2	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Rotterdam	Jan. 10-Mar. 13	1		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Newfoundland	Feb. 9–Mar. 20			Epidemic on south coast.
St. Johns	Jan. 10–Feb. 13	9		From s. s. Portia.
Norway:				
Bergen	Jan. 24–30		2	
Christiania	Nov. 22–28	1	1	
Paraguay:				
Asuncion	Dec. 20–26			Present.
Persia:				
Arabistan	Jan. 1–28			Do.
Dizfoul	Jan. 1–28			Do.
Hamadan	Oct. 2–Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1–31			Do.
Mechedisser	Jan. 1–28			Do.
Mohammerah	Jan. 1–28			Do.
Sultanabad	Oct. 1–31			Do.
Tabriz	Oct. 2–8			Do.
Trebizond	Jan. 16			Do.
Teheran	Sept. 18–Oct. 28		17	
Peru:				
Lima	Nov. 22–Dec. 31	11		Feb. 27, 1 case in the lazaretto.
Salaverry	Nov. 19–25		1	
Philippine Islands:				
Manila	Nov. 1–Feb. 20	28	12	Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20–Jan. 2	2		
Portugal:				
Lisbon	Nov. 30–Mar. 13	34		One case, Jan. 27, from s. s Aragon.
Russia:				
Batoom	Dec. 1–31	1		
Moscow	Nov. 29–Mar. 6	290	103	
Odessa	Oct. 4–Mar. 13	65	12	
Reval	Jan. 1–31	1		
Riga	Nov. 29–Mar. 13	12		
St. Petersburg	Nov. 15–Mar. 6	112	34	
Warsaw	Nov. 1–Jan. 16		55	
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala.
Servia:				
Belgrade	Dec. 6–12	2		
Siam:				
Bangkok	Nov. 1–30			Present.
Siberia:				
Vladivostok	Dec. 14–Feb. 14	2		
Southeast Africa:				
Lourenço Marques	Jan. 1–31	1	1	
Spain:				
Almeria	Jan. 1–Feb. 28		3	Apr. 1–Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6–Mar. 20		46	
Cartagena	July 1–31		15	
Madrid	Nov. 1–Jan. 28		60	
Valencia	Nov. 29–Mar. 19	69	6	
Vigo	Nov. 30–Mar. 13		11	
Straits Settlements:				
Singapore	Dec. 28–Feb. 20		8	
Switzerland:				
Zurich	Feb. 21–27	3		
Tripoli:				
Tripoli	Feb. 13–Mar. 6	11	3	
Turkey in Asia:				
Adalia	Sept. 24–27		2	
Bagdad	Feb. 13			Present.
Bassorah	Jan. 3–Mar. 6			Do.
Smyrna	Oct. 7–Feb. 26		64	
Turkey in Europe:				
Constantinople	Dec. 7–Mar. 14		62	
Trebizond	Feb. 7–20			Do.
Uruguay:				
Montevideo	Dec. 1–31		1	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Mar. 13	181,918	85								1	2	2	8
Aden	Feb. 22	43,794	36	5				1						
Do	Mar. 1	43,794	27	4										
Aguascalientes	Mar. 21	40,000	60	3							1	1		4
Aix-la-Chapelle	Feb. 27	159,547	61	4									2	
Amsterdam	Mar. 13	566,256	168	20								2	2	3
Antwerp	Mar. 6	323,921	110	8							1	3	1	1
Asuncion	Jan. 23	75,000	22	3						1				
Do	Jan. 30	75,000	19	1										
Barcelona	Feb. 21	600,000	277	19				1		2		7	2	3
Do	Feb. 28	600,000	280	23				6		2	4	5	3	1
Do	Mar. 7	600,000	325	24				5		5	1	8	6	2
Barmen	Mar. 6	161,200	47	6									1	
Barranquilla	...do...	40,000	13	1						1				
Do	Mar. 13	40,000	11	1										
Basel	Mar. 6	131,000	49	7							1	2	6	
Belize	Mar. 18	9,113	1											
Bergen	Mar. 13	87,749	21	5								1		
Berlin	Feb. 27	2,106,429	601	90							9	22	11	7
Birmingham	Mar. 13	558,336	293							1	4	2	44	4
Bluefields	...do...	2,500	4	1										
Bombay	Mar. 2	977,822	811	63	153			16		3			1	
Bremen	Mar. 13	234,169	76	11							1	3	3	1
Breslau	Mar. 6	335,186	204	36							1	1		1
Bristol	Mar. 13	377,642	116											2
Brussels	Mar. 6	704,975	213	27						1	1	1		
Budapest	Jan. 2	804,200									2	1	9	
Do	Feb. 20	804,200								1	5	2	5	
Do	Feb. 27	804,200								3	3		1	
Do	Mar. 6	804,200								1	2	2	1	
Calcutta	Feb. 20	847,796	639	22	26	28		146					2	
Cartagena	Mar. 14	30,000	10											
Celba	Mar. 20	6,500	1											
Chemnitz	Mar. 6	271,811	80	6								2	1	
Christiania	...do...	235,000	61											1
Coburg	Mar. 7	23,491	7	2										
Cologne	Mar. 6	468,386	156	17							3	1	1	3
Colon	Mar. 14	16,000	8											
Constantinople	Mar. 7	1,000,000	358	36				3		10		1	3	
Do	Mar. 14	1,000,000	404	52				3		14			2	
Copenhagen	Feb. 27	450,000	165	16							2	2	4	
Damascus	...do...	250,000	48											
Do	Mar. 6	250,000	45											
Dalny	Feb. 27	34,174	21											
Denia	Mar. 6	12,431	2											
Do	Mar. 12	12,431	3											
Dublin	Mar. 13	394,525	223	35						3	1	2	5	5
Dundee	...do...	169,409	67								2			1
Durban	Feb. 20	60,972	7	2										
East London	...do...	49,253	4	1										
Edinburgh	Mar. 13	355,366	139	10							1			6
Erfurt	Feb. 20	107,792	31											
Do	Feb. 27	107,792	24											
Do	Mar. 6	107,792	45											
Flushing	Mar. 13	21,208	10											
Fort de France	Feb. 20	27,069	19											
Do	Feb. 27	27,069	16											
Do	Mar. 6	27,069	17											
Frankfort-on-the-Main	...do...	362,000	104								1	3		
Frontera	Mar. 13	9,000	6	1										
Geneva	Feb. 20	118,500	40							1				
Do	Feb. 27	118,500	47									2		
Georgetown [a]	Feb. 20	56,000	64	9										
Do	Feb. 27	56,000	29											
Ghent	Mar. 6	164,579	81	3									2	
Gibralter	Mar. 14	26,830	11	1										
Glasgow	Mar. 19	872,021	366							1	1	6		37
Gothenburg	Mar. 6	162,200	51	10								1		
Greenock	Mar. 13	72,300	32									1		1
Guadalajara	Mar. 11	125,000	90											
Do	Mar. 18	125,000	89											

[a] Total deaths include returns from hospital for two weeks.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Guayaquil	Mar. 6	75,000	90	16	7		7			2				1
Halifax	Mar. 20	40,787	18	2								1		
Hamilton, Bermuda	Mar. 22	20,206	6											
Hilo, Hawaii	Mar. 6	3,500	3	1										
Hull	Mar. 13	240,259	110									5	3	1
Königsberg	Mar. 6	237,600	98	13								2		4
Lausanne	Feb. 20	60,000	15											
Do	Feb. 27	60,000	15											
Leeds	Mar. 13	484,012	196	14						1		1	1	2
Leipzig	Mar. 6	537,686	125	17						1	1	3	1	1
Leith	Mar. 13	85,721	25	5								1		
Libau	Mar. 7	90,000									1			
Liege	Mar. 6	176,166	57	2										
Lisbon	Feb. 6	406,869	196	25				1		2				1
Do	Feb. 13	406,869	198	31						1	1			
Do	Feb. 20	406,869	226	27								3		2
Liverpool	Mar. 13	760,357	378	25						1	2	1	18	8
London	do	4,833,938	2,221	169						4	9	22	105	35
Lübeck	Mar. 6	97,000	35	1							1	1		
Madras	Feb. 26	509,346	380			1		4					3	
Managua	Feb. 13	22,278	18											1
Do	Feb. 20	22,278	11	1										1
Do	Feb. 27	22,278	11											
Manaos	do	54,000	21				1							
Do	Mar. 6	54,000	32	1										
Manchester	do	631,533	320	33						4	4	1	15	4
Do	Mar. 13	631,533	319	31					1		3	1	17	7
Mannheim	Feb. 27	179,000	69	13								1	3	
Manzanillo	Mar. 20	1,700	2											
Matamoras	do	8,000	2											
Mexico	Feb. 13	400,000	431	32				22	12	4	22	6	7	4
Do	Feb. 20	400,000	437	34				15	23		13	8	3	4
Do	Feb. 27	400,000	456	30				17	14	2	23	4		2
Milan	Jan. 10	900,000	257	26						1		1	3	
Do	Feb. 21	900,000	310	43							2	3	8	
Do	Feb. 28	900,000	287	34						1		2	5	
Do	Mar. 7	900,000	306	33						3	3	4	2	
Monrovia	Feb. 20	7,000	3											
Do	Feb. 27	7,000	5											
Monterey	Mar. 21	100,000	66	7				3			1		1	
Montreal	Mar. 20	378,856	163	22						6	7	1	2	
Nagasaki	Feb. 28	175,936	54									2		
Newcastle-on-Tyne	Mar. 13	281,584	102									4		1
Nottingham	Mar. 6	260,000	119							1	1		9	4
Nuevo Laredo [a]	Jan. 30	8,000	6	1										
Do	Mar. 20	8,000	12	1										
Nuremberg	Feb. 27	316,180	109	10							2	1	1	2
Paris	Jan. 30	2,776,397	1,158	253							3	4	2	7
Para	Mar. 6	185,000	92	7			3							
Penang	Feb. 20	102,520	59	12										
Plymouth	Mar. 13	124,180	57										6	
Port Elizabeth	Feb. 20	32,959	14	4								1		
Do	Feb. 27	32,959	11	2								1		1
Progreso	Mar. 6	5,000	2											
Do	Mar. 13	5,000	3											
Queenstown	do	7,684	1											
Rangoon	Feb. 20	252,155	206	4	16	8		3						
Rio de Janeiro	Feb. 21	811,443	301	58	1			17		1			4	
Do	Feb. 28	811,443	302	58				5		6			1	1
Rotterdam	Mar. 13	412,905	142							2	1	1		
San Feliu de Guixols	do	11,094	7											
St. Stephen	Mar. 27	2,840	1											
Salford	Mar. 13	241,950	122							1		2	2	1
Santa Cruz de Teneriffe	Mar. 6	46,000	12	2									1	
Santiago de Cuba	Mar. 20	45,470	22	4						1				
Sheffield	Mar. 6	440,000	180	10							1	2	33	2
Do	Mar. 13	440,000	219	16							1	3	40	1
Singapore	Jan. 30	260,000	180	20				1		2				
Do	Feb. 6	260,000	162	23	1	2		2		2				
Do	Feb. 13	260,000	198	34		1		1		4				
Southampton	Mar. 13	124,667	49	2										6

[a] Reported out of date.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
South Shields	Mar. 18	117,627	35	1							1			
Stettin	Mar. 6	230,000	74	8							2			
Stockholm	Feb. 27	337,460	118	15							3	1		1
Tarragona	Mar. 13	20,400	15	1								1		
Trieste	Feb. 27	216,680	118									1		
Do	Mar. 6	216,680	138							2				
Turin	Mar. 3	381,439	244	25						2			2	
Valencia	Mar. 5	250,000	160	13						1				
Do	Mar. 12	250,000	159	9						1				
Vera Cruz	Mar. 13	32,000	37	9										
Do	Mar. 20	32,000	27	8										
Vevey	Feb. 20	14,500	7											
Do	Feb. 27	14,500	4											
Victoria, B. C.	Mar. 20	30,000	6											
Vienna	Mar. 6	2,042,426	837	146						1	9	9	19	3
Vigo	do	40,000	20	5									1	
Do	Mar. 13	40,000	16	3				1						
West Hartlepool	do	66,750	30											
Winnipeg	Mar. 20	118,000	19											
Zanzibar	Feb. 14	75,000	11	2										
Do	Feb. 21	75,000	14	2										
Zurich	Mar. 13	180,000	71	7								2		1

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Plague Bacilli in Ecto-Parasites of Squirrels.

By Passed Asst. Surg. George W. McCoy, U. S. Public Health and Marine-Hospital Service.

During the course of experiments in the infection of the California ground squirrel (*Citellus beecheyi*) with *Bacillus pestis*, a squirrel died of acute plague on the sixth day after inoculation. When the dead animal was removed from the disinfecting solution (1 per cent trikresol) a flea was found which had presumably escaped the preliminary combing at the time of inoculation. The flea was identified by my assistant, A. M. B. Mitzmain, and myself as a female *Ceratophyllus acutus*, the common squirrel flea of this vicinity. The flea, which was able to make a few spasmodic movements in spite of its immersion in the trikresol solution, was crushed between 2 glass microscopical slides. The film on one of the slides was fixed and stained, and an enormous number of organisms were found which were indistinguishable in size and shape from *Bacillus pestis*. The remains of the crushed flea were gently removed from the second slide with a small pledget of absorbent cotton moistened with physiological solution of sodium chloride. The cotton carrying the fragments of the flea was placed in a small pocket under the skin of the belly of a guinea pig. This guinea pig died 8 days later, and showed upon post-mortem examination the usual characteristic lesions of plague—a marked reaction at the site of inoculation, a caseous bubo, and a large granular spleen. *Bacillus pestis* was recovered in pure culture from the liver of the guinea pig.

The procedure outlined above was used in demonstrating plague bacilli in a flea found on another infected squirrel and in fæces of the flea passed during the 72 hours succeeding its removal from the host.

The small lice (provisionally identified as *Hæmatopinus montanus*, Osborn [a]) very commonly found on ground squirrels have been taken from plague-infected squirrels and treated in the same manner as the fleas, and in these also the existence of virulent plague bacilli has been proved.

There are many reasons for believing that plague is transmitted from squirrel to squirrel by fleas, but this is the first opportunity we have had of demonstrating the specific organism of the disease in external parasites of these rodents. The general subject of squirrel plague has been discussed by Wherry (Journal of Infectious Diseases, Vol. V, No. 5).

[a] Bulletin No. 5, Division of Entomology, Dept. of Agric., Washington, D. C., 1896.

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Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended April 3, 1909.

Sick inspected	4
Plague	0
Dead inspected	112
Plague	0
Premises inspected	2,197
Houses disinfected	16
Nuisances abated	247
Rats found dead	48
Rats trapped	2,443
Total rats taken	2,491
Rats identified:	
Mus norvegicus	1,739
Mus rattus	59
Mus musculus	649
Mus alexandrinus	15
Total	2,462
Rats identified as to sex:	
Male	853
Female	934
Total	1,787
Rats examined bacteriologically	1,573
Plague rats	0
Ground squirrels trapped	5
Ground squirrels examined bacteriologically	5
Plague squirrels	0
Gophers trapped	2
Gophers examined bacteriologically	2
Plague gophers	0
Buildings condemned	10
Poisons placed	22,336

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended March 27, 1909.

Dead inspected	39
Plague	0
Premises inspected	1,098
Necropsies held	2
Premises cleaned	220
Garbage cans installed	196
Place made rat-proof	1
Nuisances abated	177

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Rats found dead	22
Rats trapped	601
Total rats taken	623
Rats identified	669
Mus norvegicus	611
Mus rattus	4
Mus musculus	46
Mus alexandrinus	8
Rats examined bacteriologically	609
Plague rats	0
Mice examined bacteriologically	46
Plague mice	0
Poisons placed	22,115

POINT RICHMOND, CAL.

Week ended March 27.

Sick inspected	2
Plague	0
Dead inspected	2
Plague	0
Premises inspected	490
Nuisances abated	31
Rats found dead	14
Rats trapped	26
Rats examined bacteriologically	26
Plague rats	0
Poisons placed	7,000

ALAMEDA COUNTY, CAL.

Week ended March 27.

Sick inspected	6
Plague	0
Dead inspected	62
Plague	0
Necropsies held	2

CONTRA COSTA COUNTY, CAL.

Week ended March 27.

Dead inspected	4
Plague	0
Ranches inspected	76
Ranches found free of ground squirrels	14
Ranches poisoning ground squirrels	16

Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson, plague laboratory, reports, March 31:

Animals examined in laboratory in this city from March 22 to 28, inclusive.

Ground squirrels	37
Gray rats	493
Black rats	24
White rats	3
Gopher	1
Wild rat	1

None of these animals was found to be infected with plague.

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Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, March 29:

Date of finding of last plague rat, September 26, 1908.

Week ended March 27, 1909.

Plague-infected rats to date	21
Rats received	730
Rats necropsied	710
Plague rats found	0

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

FLORIDA.—Report from the state board of health of communicable diseases for the week ended April 3, 1909, shows as follows: Diphtheria: Jacksonville 2, Pensacola 1, Tampa 2. Malaria: Jacksonville 8, Tampa 9, Lake Butler and Tallahassee, each 1 case. Tuberculosis: Istachatta and St. Petersburg, 1 each, Jacksonville 3 cases.

Pensacola.—Month of March, 1909. Estimated population, 30,000. Total number of deaths, 47, including 6 from tuberculosis.

IOWA—*Cedar Rapids.*—Month of March, 1909. Estimated population, 35,000. Total number of deaths 37, including 3 from tuberculosis. Cases: Scarlet fever 10, smallpox 13, diphtheria 1, and measles 1.

KENTUCKY—*Henderson.*—Month of March, 1909. Estimated population, 17,900. Total number of deaths, 17, including 2 from tuberculosis. Cases: Enteric fever 4, scarlet fever 8, diphtheria 1, and tuberculosis 3.

Louisville.—Month of March, 1909. Estimated population, 206,416. Total number of deaths 390, including enteric fever 11, scarlet fever 6, diphtheria 2, and 56 from tuberculosis.

MARYLAND—*Hagerstown.*—Month of March, 1909. Estimated population, 30,000. Total number of deaths 70, including enteric fever 2, measles 2, and 3 from tuberculosis. Cases: Enteric fever 4, scarlet fever 2, diphtheria 5, measles 200, and tuberculosis 10.

MASSACHUSETTS—*Newton.*—Annual report for the year 1908. Estimated population, 38,919. Total number of deaths 427, including diphtheria 6, scarlet fever 1, enteric fever 2, whooping cough 4, and 36 from tuberculosis. Cases: Scarlet fever 103, diphtheria 192, enteric fever 33, measles 489, and tuberculosis 70.

Month of March, 1909. Total number of deaths, 51, including diphtheria 1, scarlet fever 1, enteric fever 1, and 1 from tuberculosis. Cases: Scarlet fever 13, diphtheria 16, measles 35, and pulmonary tuberculosis 1.

NEW HAMPSHIRE—*Franklin.*—Month of March, 1909. Estimated population, 7,200. Total number of deaths, 9, including 1 from

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diphtheria. Cases: Diphtheria 4, enteric fever 1, measles 54, and tuberculosis 1.

NEW YORK—*Rome.*—Month of March, 1909. Estimated population, 18,500. Total number of deaths not reported. Deaths from contagious diseases include 4 from tuberculosis. Cases: Scarlet fever 23, diphtheria 9, enteric fever 1, whooping cough 1, and tuberculosis 3.

NORTH CAROLINA—*Charlotte.*—Month of March, 1909. Estimated population, 40,000. Total number of deaths, 47, including enteric fever 1, and 4 from tuberculosis. Cases of contagious diseases reported: Scarlet fever 3, measles 34, and whooping cough 2.

OHIO—*Toledo.*—Month of February, 1909. Estimated population, 195,888. Total number of deaths, 155, including diphtheria 1, enteric fever 5, scarlet fever 2, and 15 from tuberculosis. Cases of contagious diseases reported: Diphtheria 21, measles 5, scarlet fever 17, and enteric fever 33.

OREGON—*Portland.*—Month of February, 1909. Estimated population, 250,000. Total number of deaths, 125, including enteric fever 6, diphtheria 1, and 16 from tuberculosis. Cases: Diphtheria 19, enteric fever 12, measles 83, smallpox 15, and scarlet fever 24.

PENNSYLVANIA—*South Bethlehem.*—Month of March, 1909. Estimated population, 13,421. Total number of deaths, 36, including enteric fever 2, whooping cough 2, and 2 from tuberculosis. Cases: Enteric fever 7, scarlet fever 5, measles 24, diphtheria 3, whooping cough 2, and tuberculosis 8.

VIRGINIA—*Newport News.*—Month of March, 1909. Estimated population, 28,749. Total number of deaths, 30, including measles 1, and 2 from tuberculosis. Cases: Diphtheria 5.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to April 16, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Jan. 12–Feb. 6	7		
Montgomery	Mar. 13–Apr. 2		2	
Tuscaloosa County	Feb. 6–Dec. 31	86		Year 1908.
Total for State		93	2	
Arkansas:				
Allbrook	Jan. 1–Mar. 25	40		
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		148		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
California, general	Nov. 1–Feb. 28		4	
Los Angeles	Dec. 6–Apr. 3	19	1	
Oakland	Nov. 1–Mar. 21	14		
Sacramento	Nov. 1–Mar. 27	54		
San Francisco	Dec. 13–Mar. 27	30		
Stockton	Nov. 1–30	12		
Total for State		129	5	
Colorado, general	July 1–Feb. 23	109		
District of Columbia:				
Washington	Dec. 28–Apr. 3	9		
Total for District		9		
Georgia:				
Bibb County—				
Macon	Mar. 14–Apr. 4	3		
Cobb County	Jan. 16–Feb. 7	8		
Paulding County	Jan. 16–Feb. 7	15		
Total for State		26		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Feb. 27	211		
Thebes	Jan. 1–31	2		
Bureau County—				
Ladd	Nov. 1–30	4		
Christian County—				
Taylorville	Aug. 1–Jan. 20	40		
Clinton County—				
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–Apr. 3	10		
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		
Fulton County—				
Canton	Jan. 1–31	38		
Cuba	Jan. 1–31	1		
Lewiston	Jan. 1–31	6		
Jackson County—				
Murphysboro	Jan. 1–31	45	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–31	1		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–Mar. 10	4		
Lake County—				
Waukegan	Feb. 2–26	3		
McLean County—				
Bloomington	Jan. 1–31	5		
Macon County—				
Decatur	Jan. 1–31	8		
Macoupin County—				
Benld	Feb. 15–18	2		
Palmyra	Dec. 25–Jan. 20	4		
Scottsville	Dec. 25–Jan. 20	12		
Madison County—				
Alton	Mar. 1–31	1		
Marion County—				
Centralia	July 1–Jan. 20	53		
Odin	Jan. 1–31	1		
Sandoval	Jan. 1–31	1		
Mason County	Jan. 1–31			Present in Havana and Quiver townships.
Massac County—				
Metropolis	Jan. 1–31	1		
Mercer County	Jan. 1–31	1		In North Henderson township.
Montgomery County	Jan. 1–31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5–11	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Peoria County—				
Peoria	Dec. 20–Apr. 3	43		Present in Glasford and in Timber and Trivoli townships.
Pulaski County	Jan. 1–31			Present in Pulaski.
Mounds	Jan. 1–31	3		
Mounds City	Jan. 1–31	7		
Randolph County—				
Percy	Jan. 1–31	1		
St. Clair County—				
Belleville	Dec. 4–20	3		Present in January.
Mascoutah	Jan. 1–31	1		
Millstadt		1		
Saline County—				
Eldorado	Jan. 1–31	1		
Sangamon County—				
Pawnee	Jan. 1–31	2		
Springfield	Mar. 20–26	3		
Schuyler County—				
Browning	Oct. 12–Jan. 20	75		
Tazewell County	Jan. 1–31			Present in Elm Grove township.
Pekin	Jan. 1–31	28		
Vermilion County—				
Danville	Jan. 11–Apr. 4	26		
Williamson County—				
Carterville	Jan. 1–31	2		
Johnston City	Jan. 1–31	1		
Marion	Jan. 1–31	6		
Total for State		688	1	
Indiana:				
Allen County	Dec. 1–31	1		
Fort Wayne	Jan. 10–Feb. 6	4		
Bartholomew County	Dec. 1–31	1		
Benton County	Nov. 1–Dec. 31	4		
Boone County	Nov. 1–Dec. 31	2		
Carroll County	Oct. 1–31	26		
Clay County	Oct. 1–31	8		
Dearborn County	Oct. 1–31	1		
Delaware County	Dec. 1–31	52		
Muncie	Mar. 27	1		
Elkhart County	Oct. 1–Nov. 30	7		
Elkhart	Jan. 17–Mar. 6	8		
Franklin County	Dec. 1–31	1		
Gibson County	Dec. 1–31	1		
Grant County	Dec. 1–31	2		
Union	Feb. 6	5		
Hamilton County	Dec. 1–31	1		
Harrison County	Dec. 1–31	1		
Hendricks County	Nov. 1–Dec. 31	5		
Madison County	Oct. 1–31	1		
Anderson	Dec. 1–31	1		
Marion County	Dec. 1–31	1		
Indianapolis	Jan. 18–Feb. 28	5		
Miami County	Dec. 1–31	1		
Rush County	Dec. 1–31	24		
Shelby County	Dec. 1–31	1		
Spencer County	Dec. 1–31	1		
St. Joseph County	Dec. 1–31	12		
South Bend	Mar. 23–Apr. 3	2		
Sullivan County	Oct. 1–31	2		
Tippecanoe County	Oct. 1–Dec. 31	77		
Lafayette	Dec. 15–Mar. 29	61	1	
Tipton County	Nov. 1–Dec. 31	2		
Vanderburg County—				
Evansville	Jan. 10–Feb. 20	10		
Vigo County	Oct. 1–Dec. 31	7		
Wabash County	Nov. 1–Dec. 31	4		
Warren County	Dec. 1–31	7		
Wayne County	Nov. 1–30	8		
Total for State		358	1	
Iowa, general	July 1–Sept. 30		2	
Burlington	Jan. 1–31	1		
Cedar Rapids	Mar. 1–31	13		
Council Bluffs	July 1–Feb. 28	32	2	
Dubuque	Oct. 1–Jan. 31	87	1	
Total for State		133	5	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas:				
Allen County	Jan. 1-31	6		
Atchison County—				
Atchison	Dec. 20-Jan. 16	2		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Jan. 31	50		
Cherokee County	Jan. 1-31	22		
Crawford County	Jan. 1-31	7		
Pittsburg	Nov. 1-Dec. 31	107		
Decatur County	Jan. 1-31	1		
Ford County	Jan. 1-31	2		
Franklin County	Dec. 1-31	1		
Harvey County	Nov. 1-Dec. 31	4		
Jackson County	Nov. 1-Dec. 31	95		
Jefferson County	Dec. 1-Jan. 31	15		
Jewell County	Dec. 1-31	2		
Labetta County—				
Parsons	Jan. 1-31	3		
Bane County	Jan. 1-31	4		
McPherson County	Jan. 1-31	1		
Marshall County	Jan. 1-31	1		
Montgomery County	Nov. 1-Jan. 31	19		
Nemaha County	Dec. 1-31	2		
Phillips County	Dec. 1-Jan. 31	5		
Pottawatomie County	Nov. 1-Dec. 31	36		
Pratt County	Dec. 1-31	20		
Reno County	Nov. 1-Jan. 31	4	1	
Riley County	Nov. 1-30	2		
Rooks County	Jan. 1-31	3		
Saline County	Nov. 1-Jan. 31	48		
Sedgwick County—				
Wichita	Mar. 7-Apr. 3	8		
Shawnee County	Nov. 1-Jan. 31	27		
Topeka	June 7-Apr. 3	128		
Sheridan County	Dec. 1-Jan. 31	11		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Dec. 31	8		
Thomas County	Jan. 1-31	2		
Wallace County	Jan. 1-31	2		
Waubaunsee County	Jan. 1-31	3		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-Apr. 10	37		
Total for State		702	1	
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Berea	Feb. 1-Apr. 2	20		
Covington	Dec. 29-Apr. 10	33		
Fulton	Feb. 1-Mar. 22	27		
Georgetown	Dec. 2-Mar. 4	31		
Henderson		7		Jan. 1-June 30, 1908.
Lexington	Dec. 28-Mar. 27	41		
Newport	July 1-Mar. 20	54	1	Jan. 1-June 30, 1908, 16 cases, death.
Paducah	Jan. 24-Mar. 27	43		
Total for State		456	2	
Louisiana:				
Alexandria	Feb. 1-28	9		
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20-Apr. 3	27		
Shreveport	Jan. 1-20	32	1	
Winnfield	Jan. 1-Mar. 24	33		And vicinity.
Total for State		131	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-Feb. 6	94		
Total for State		145		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Maryland:				
Baltimore	Jan. 30-Feb. 6	1		
Total for State		1		
Massachusetts:				
Boston	Mar. 14-20	2		
Haverhill	Mar. 14-20	1		
Lawrence	Mar. 7-13	1		
New Bedford	Jan. 30-Mar. 13	3	1	
Taunton	Jan. 3-9	1		
Total for State		8	1	
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31	1		
Ingham County—				
Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County—				
Grand Rapids	Jan. 24-Feb. 20	2		
Lapeer County	Dec. 1-31	2		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-Apr. 3	9		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Mar. 27	7		
Wexford County	Dec. 1-31	2		
Total for State		77		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 20-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Mar. 27	89		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicolett County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Oct. 6-Dec. 13	57		
Renville County	Dec. 1-7	1		
St. Louis County—				
Duluth	Nov. 9-Apr. 8	9		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Saseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-30	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-Feb. 28	8		
Yellow Medicine County	Oct. 20-26	1		
Total for State		315		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mississippi:				
De Soto County	Nov. 1–Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24–Mar. 20	12		
Liberty	Jan. 15–Mar. 11	20		
Rich Hill	Dec. 5–31	4		
St. Joseph	Dec. 1–31	1		
St. Louis	Dec. 20–Apr. 3	25		
Springfield	Nov. 1–Feb. 28	3		
Total for State		65		
Montana:				
Beaverhead County	Feb. 1–28	2		Report for December not yet received.
Carbon County	Feb. 1–28	1		
Cascade County	Nov. 1–Jan. 31	5		
Chouteau County	Jan. 1–Feb. 28	4		
Dawson County	Jan. 1–31	3		
Fergus County	Jan. 1–Feb. 28	29		
Flathead County	Nov. 1–30	1		
Gallatin County	Nov. 1–Jan. 31	14		
Bozeman	Nov. 1–Feb. 28	19		
Granite County	Jan. 1–31	4		
Jefferson County	Nov. 1–30	4		
Missoula County	Jan. 1–31	12		
Missoula	Jan. 1–Feb. 28	4		
Park County	Jan. 1–31	6		
Powell County	Jan. 1–Feb. 28	12		
Ravalli County	Nov. 1–30	4		
Sanders County	Jan. 1–Feb. 28	10		
Silverbow County	Nov. 1–Feb. 28	14		
Butte	Mar. 16–23	30		
Yellowstone County	Nov. 1–30	1		
Billings	Jan. 1–31	1		
Total for State		180		
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1–Feb. 28	15		
South Omaha	Dec. 20–Mar. 27	12		
Total for State		28		
New Hampshire:				
Hinsdale	Nov. 1–Dec. 15	6		
West Chesterfield	Nov. 1–Dec. 15	1		
West Lebanon	Jan. 15–Feb. 7	2		
Westmoreland	Nov. 1–Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21–Apr. 10	7		
Hightstown	Mar. 3	1		
New Brunswick	Mar. 7–Apr. 5	7		
Paterson	Mar. 16–Apr. 2	8		
Perth Amboy	Mar. 4–31	26		
Plainfield	Mar. 7–Apr. 5	4		
Woodbridge	Mar. 6–26	1		
Total for State		54		
New York, general	Nov. 1–Dec. 31	75	1	
Buffalo	Feb. 14–Mar. 20	4		
Mohawk Valley			1	Year 1908.
New York	Feb. 21–Apr. 3	6	1	
Niagara Falls	Feb. 7–13	1		
Rome	Jan. 1–31	1		
Schenectady	Feb. 7–13	1		
Syracuse	Jan. 9–31	3		
Total for State		91	3	
North Carolina:				
Ashe County	Jan. 1–31	7		
Bertie County	Nov. 1–30	1		
Camden County	Jan. 1–31	30		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Catawba County	Nov. 1–Dec. 31	4		
Currituck County	Nov. 1–Jan. 31	34		
Duplin County	Dec. 1–Jan. 31	60		
Edgecombe County	Dec. 1–31	1		
Johnston County	Nov. 1–Jan. 31	13		
Jones County	Jan. 1–31	3		
Lenoir County	Dec. 1–31	20		
Lincoln County	Dec. 1–31	1		
Madison County	Jan. 1–31	2		
Nash County	Jan. 1–31	1		
New Hanover County— Wilmington	Jan. 22–Mar. 1	4		Imported.
Pasquotank County	Nov. 1–Jan. 31	79		
Pitt County	Jan. 1–31	2		
Sampson County	Jan. 1–31	22		
Scotland County	Jan. 1–31	6		
Wayne County	Jan. 1–31	20		
Total for State		310		
North Dakota	July 1–Feb. 19	168		
Ohio, general	June 14–Jan. 2	337		
Cincinnati	Dec. 12–Apr. 9	197	1	
Cleveland	Feb. 28–Apr. 2	4		
Columbus	Dec. 26–Mar. 2	14		Revised. 37cases additional in Sept. and Oct.
Dayton	Jan. 24–Feb. 20	5		
Newark		3		Year 1908.
Tiffin	Jan. 3–23	2		
Total for State		562	1	
Oregon:				
Clackamas County	Sept. 1–30	1		
Harney County	Sept. 1–30	1		
Jackson County	Oct. 1–Dec. 31	9		
Lane County	Dec. 1–31	10		
Linn County	Sept. 1–Oct. 31	5		
Marion County	Sept. 1–Dec. 31	4		
Multnomah County	Dec. 1–31	5		
Portland	Nov. 1–Feb. 28	91		
Polk County	Sept. 1–Dec. 31	9		
Tillamook County	Oct. 1–31	1		
Umatilla County	Sept. 1–Dec. 31	6		
Wallowa County	Oct. 1–31	1		
Washington County	Oct. 1–Dec. 31	23		
Yamhill County	Sept. 1–Dec. 31	17		
Total for State		183		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18–Jan. 20	3		
New Castle	Feb. 1–28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 10–25	1		
Pittsburg	Dec. 13–19	1		Imported.
Prompton	Jan. 2–Feb. 10	3		
Total for State		11		
South Carolina:				
Winnsboro	Feb. 1–28	5		
Total for State		5		
South Dakota:				
Aberdeen	May 1–Jan. 31	43		
Total for State		43		
Tennessee:				
Fayette County	Dec. 1–Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28–Apr. 3	21		
Memphis	Jan. 1–Mar. 13	190	1	
Murfreesboro	Mar. 15–31	1		
Nashville	Dec. 20–Mar. 27	42		
Polk County	Jan. 22	30		
Total for State		587	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Texas:				
Corpus Christi	Apr. 2			Present.
Cost	Oct. 1–Dec. 19			Do.
Cotulla	Jan. 25–Feb. 17			Do.
Denton County	Jan. 1–Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10–Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1–Mar. 31	13		
Galveston	Mar. 6–26	2		
Goliad County	Dec. 1–Jan. 20	25		
Houston	Jan. 1–Mar. 27	9		
Laredo	Dec. 26–Mar. 19	6		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–Apr. 3	82		
San Augustine County	Jan. 5			Do.
Total for State		422	1	
Utah:				
Beaver County	Feb. 1–28	2		
Carbon County	Feb. 1–28	1		
Cache County	Jan. 1–Feb. 28	62		
Davis County	Nov. 1–Feb. 28	32		
Emery County	Feb. 1–28	4		
Garfield County	Dec. 1–Feb. 28	26		
Millard County	Jan. 1–31	1		
Salt Lake County	Dec. 1–Feb. 28	162		
Salt Lake City	Dec. 1–Feb. 28	272	1	
Sanpete County	Dec. 1–31	1		
Sevier County	Jan. 1–Feb. 28	76		
Summit County	Dec. 1–Feb. 28	32		
Utah County	Dec. 1–31	1		
Weber County	Nov. 1–Feb. 28	6		
Total for State		678	1	
Vermont:				
Brattleboro	Dec. 5–Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Richmond	Mar. 14–20	1		
Total for State		11		
Washington:				
Bellingham	Jan. 25–Mar. 23	10		
Camas	Dec. 29–Mar. 8	18		
Seattle	Oct. 1–Feb. 28	18		
Spokane	Dec. 6–Mar. 20	12	1	
Tacoma	Dec. 14–Mar. 14	60		
Total for State		118	1	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville				Present in January.
Weston	Jan. 15–Feb. 13	1		
Total for State		2		
Wisconsin:				
Adams County	July 1–Sept. 30	3		
Barron County	July 1–Sept. 30	1		
Chippewa County	July 1–Sept. 30	6		
Dane County	July 1–Sept. 30	1		
Dodge County	July 1–Sept. 30	1		
Douglas County	July 1–Sept. 30	28		
Dunn County	July 1–Sept. 30	1		
Fond du Lac County	July 1–Sept. 30	3		
Green County	July 1–Spet. 30	2		
Iron County	July 1–Sept. 30	2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin—Continued.				
Kewaunee County	July 1–Sept. 30	1		
La Crosse County—				
La Crosse	Dec. 13–Apr. 3	42		
Manitowoc County—				
Manitowoc	Dec. 13–Feb. 27	14		
Marathon County	July 1–Sept. 30	2		
Milwaukee County—				
Milwaukee	Dec. 6–Apr. 3	157		
Monroe County	July 1–Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6–20	2		
Ozaukee County	July 1–Sept. 30	3		
Pierce County	July 1–Sept. 30	4		
Polk County	July 1–Sept. 30	1		
Racine County—				
Racine	Mar. 21–Apr. 10	6		
Rusk County	July 1–Sept. 30	3		
Sheboygan County	July 1–Sept. 30	32		
Total for State		327		
Grand total for the United States		7,590	27	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Allentown, Pa	Mar. 20	35,416	14		1	8		5	1	1					
Do	Mar. 27	35,416	25	4	1	2	3	16	2						
Altoona, Pa	Apr. 3	38,973	13	2	1			4				2			
Ann Arbor, Mich	Mar. 27	14,509	6	1								1		1	
Do	Apr. 3	14,509	7	5										1	
Ashtabula, Ohio	do	12,949	4												
Baltimore, Md	do	508,957	283	9	38	1	3	11		19	3	137	3	51	1
Bath, Me	do	10,477						7	2						
Bayonne, N. J	do	32,722						1		6	1	7			
Beaver Falls, Pa	do	13,000				1						1			
Berkeley, Cal	Mar. 27	13,214	13		2			6		3					
Biddeford, Me	Apr. 3	16,145	6												
Biloxi, Miss	do	5,467				1									
Boston, Mass	do	560,892	240	49	19	5		68	4	68	5	71	3	17	2
Bradford, Pa	do	15,029	2					2							
Bristol, R. I	do	6,901	4											1	
Brockton, Mass	do	40,063	13					4		1		100	2	1	
Cambridge, Mass	do	91,886	35	8	7			6		3		21		5	1
Camden, N. J	do	75,935	34					8		5	3	9			
Camden, S. C	do	2,441	1												
Charlotte, N. C	Apr. 2	18,091	13	1	1							11			
Chelsea, Mass	Apr. 3	34,072	12		1	1		3		1		1			
Chicago, Ill	do	1,698,575	699	97	80	45	11	134	12	121	17	152	2	21	
Chicopee, Mass	do	19,167	11						1	3	1				
Cincinnati, Ohio	Mar. 26	325,902	132	13	20	3		12		4		8		9	
Do	Apr. 2	325,902	127	23	21	3	1	14		7		19			1
Cleveland, Ohio	do	381,768	148	39	14	12	1	13		26	1	43	2	28	1
Clinton, Mass	Apr. 3	13,667	9									2		1	1
Columbus, Ga	do	17,614	5		1		1								
Columbus, Ohio	do	125,560	67	15	14	2	1			3		26		2	
Covington, Ky	do	42,938	20		3					2	1				
Danville, Ill	Apr. 4	16,534	8					5		1		1			
Dayton, Ohio	Apr. 3	85,333	29	1	2			1		1		27			
Detroit, Mich	do	285,704	137					5	1	13	2				
Duluth, Minn	Apr. 1	80,000	17	2	3	2	2	4	1	11	1	3			
Dunkirk, N. Y	Apr. 3	11,616	2												

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census. 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Elmira, N. Y.	Apr. 3	35,672	8	12				3				6			
El Paso, Tex.	Apr. 6	15,905	16		5			2		1		3			
Elkhart, Ind.	Apr. 3	15,184	7	1	1			1				1			
Evansville, Ind.	...do	59,007	25	1	2	5	2			1					
Everett, Mass.	...do	24,336	9	1				5		5		1			
Fall River, Mass.	Apr. 5	104,863	51	8	4	1	1	4		6		10		1	
Findlay, Ohio	Apr. 3	17,613	4		1			1							
Galesburg, Ill.	...do	18,607	6					1							
Galveston, Tex.	Apr. 2	37,789	7		1	4	1			2					
Glens Falls, N. Y.	Apr. 3	13,543	5	1						1		24			
Gloucester, Mass.	...do	26,121	3												
G'd Rapids, Mich.	...do	87,565	28	3	3	3	1	19	1	3		5			
Greensboro, N. C.	...do	10,035	3							1					
Hammond, Ind.	...do	12,376	7	1								6			
Harrison, N. J.	...do	10,596	4	2	1			1							
Haverhill, Mass.	Mar. 27	37,175	11	1	2	1				2				3	
Hoboken, N. J.	Apr. 3	59,364						3		3		2		1	1
Hyde Park, Mass.	...do	13,244	9		3			1							
Indianapolis, Ind.	Apr. 4	169,164	70	2	6	2	2	5		2		73			1
Jacksonville, Fla.	Apr 3	28,429	13		3							2			
Jackson, Mich.	Mar. 27	25,180	12				1			2					
Johnstown, Pa.	Apr. 3	35,936	17		1			17	1	4		4			
Kalamazoo, Mich.	Mar. 20	24,404	14			1				2		4		1	
Do	Mar. 27	24,404	23	1	2			1				5		2	
Kansas City, Kans.	Apr. 3	51,418	22		2	1		1		1	1	16		1	
Kearney, N. J.	...do	10,896						1		1	1				
Kingston, N. Y.	Apr. 2	24,535	13		2										
Knoxville, Tenn.	Apr. 3	32,637	15									2			
La Crosse, Wis.	...do	28,895	11							1					
Lafayette, Ind.	Apr. 5	18,116	9		1			1		1		5			1
Lancaster, Pa.	Apr. 3	41,459	15					1		1		3			
Lawrence, Mass.	...do	62,559	28	2	2	1				5	1	17			
Lebanon, Pa.	...do	17,628	7		1	2		1		3		1			
Lexington, Ky.	...do	26,369	12		1		1							1	
Los Angeles, Cal.	Mar. 27	102,479	85	13	20	6	1	20		5		6			
Lowell, Mass.	Apr. 3	94,969	31	4	3	4	1	2		1		1			
Lynn, Mass.	...do	68,513	31		4	1		1		4	1	1			
McKeesport, Pa.	Mar. 6	34,227	15	3		1				3	1			11	1
Do	Mar. 13	34,227	12		1	1	1			3		1		4	
Do	Mar. 20	34,227	14		2	1								5	1
Do	Mar. 27	34,227	10	1	1	2		1		1		3		10	
Do	Apr. 3	34,227	13	2		1				2		1		5	
Macon, Ga.	Apr. 4	22,746	2												
Malden, Mass	Mar. 27	33,664	7	1				2				2		1	
Manchester, N. H.	Apr. 3	56,987	27	2	2			4		14	1			1	1
Manitowoc, Wis.	...do	11,786	5	1	1	1	1					15		5	
Marinette, Wis.	...do	16,195	5												
Marlboro, Mass.	...do	13,609	3												
Massillon, Ohio	...do	11,944	1		1										
Medford, Mass.	...do	18,244	9					1		1					
Minneapolis, Minn.	Mar. 20	202,718	65	9	11	4	2	20	1	16	1				
Do	Mar. 27	202,718	68	7	6	3		19		18	1				
Montclair, N. J.	Apr. 3	13,962	8	1	1	1						14		1	
Montgomery, Ala.	Apr. 2	30,346	15		2										1
Moline, Ill.	Apr. 4	17,248	8					2	1			6			
Morristown, N. J.	Apr. 3	13,000	2												
Mount Vernon, N. Y.	...do	21,228	5	1				1		3		14			
Muncie, Ind.	...do	20,942	4									1			
Nanticoke, Pa.	Apr. 4	12,616	8	2						1		18			
Nashville, Tenn.	Apr. 3	80,865	58	3	9	3		2		1					
Nebraska City, Nebr.	...do	7,200	1												
Newark, N. J.	...do	246,070	100		22	1		58	3	33					
New Bedford, Mass.	Mar. 27	63,442	23	2	1			2				3		4	
Do	Apr. 3	63,442	32	4	3			9				2		1	
Newburyport, Mass	...do	14,478	9		1										
New London, Conn	...do	17,548	8		3			1						2	
New Orleans, La.	...do	278,104	128	29	15	3	1	118	5	6					
Newton, Mass.	...do	33,587	11	1				1		3		14			
New York, N. Y.	...do	3,437,202	1,710	478	212	26	5	373	19	320	32	1,077	34	62	8

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Niagara Falls, N.Y	Apr. 3	19,457	8	9	1	28		10		10		6			
Norristown, Pa	do	22,265	16			1				1		12			
North Adams, Mass	do	24,200	13		1										
Northampton, Mass	do	18,643	9									12			
Orange, N. J	do	24,141	14	2	1			1							
Ottumwa, Iowa	do	18,197	4		1										
Palmer, Mass	do	7,801	2				1								
Peekskill, N. Y	do	10,358	3							2		1			
Peoria, Ill	do	56,100	12	13	1			4		3					
Pittsfield, Mass	do	21,766	9	4	3			1	1						
Plainfield, N. J	Apr. 5	15,369	4	1				3				2			
Plymouth, Pa	Apr. 3	13,649										4			
Portsmouth, N. H	do	10,637			1										
Portsmouth, Va	Apr. 6	17,427	12		1										
Pottstown, Pa	Apr. 3	13,696	8			1	1			2					
Providence, R. I	do	175,597	77	4	6			8		8	1	1			
Reading, Pa	Apr. 5	78,961	34		2	7	1	4		1		1			1
Richmond, Va	Apr. 3	85,050	51	8	9	3				3				5	
Rockford, Ill	do	31,051								1					
Rock Island, Ill	Mar. 21	19,493	9					1							
Do	Apr. 3	19,493	8			1									
Sacramento, Cal	Mar. 27	29,282	12			1		1				1		1	
St. Louis, Mo	Apr. 3	575,238	232	39	32	4		25	4	26	6	394	4	3	
San Antonio, Tex	do	53,321				4				2	1				
San Francisco, Cal	Mar. 27	342,782	126	41	15	4	2	18		11	2	54	5	2	1
San Jose, Cal	Mar. 28	21,500	19	1											
Scranton, Pa	Mar. 27	102,026	39	1				5	1	4		23	2	4	
Do	Apr. 3	102,026	37	2	1			10	2	5	1	14			
Schenectady, N. Y	do	31,682	21	4	1			4				1			
Somerville, Mass	do	61,643	20	3	2			6	1	5		13			
South Bend, Ind	do	35,999	13					1							
South Bethlehem, Pa.[a]	Apr. 4	13,241	2					1							
Springfield, Ill	Apr. 2	34,159	20					1		1					
Springfield, Mass	Apr. 3	62,059	29	4				3		7		3		8	
Springfield, Ohio	do	38,253	12	4	3										
Steelton, Pa	do	12,068	6		1			3							
Superior, Wis	do	31,091	6					11	1	1					
Taunton, Mass	do	31,036	13	4	2					1		1		1	
Terre Haute, Ind	do	36,673	27		9	1		1		1					1
Titusville, Pa	do	8,244	2			1									
Topeka, Kans	Mar. 27	33,608	13	1	1										
Trenton, N. J	Apr. 3	73,307		7	6	7	1	4		4	1				
Waltham, Mass	do	23,481	11					3			1	15			
Warren, Pa	Mar. 7	8,043	6					1							
Do	Mar. 14	8,043	5												
Do	Mar. 21	8,043	3												
Do	Mar. 28	8,043	4					1							
Warren, Ohio	Apr. 3	8,529	1												
Washington, D. C	do	278,718	145	36	23	14	1	22	2	8	1	310	1	17	
Weymouth, Mass	do	11,324	2	1						1					
Wichita, Kans	do	24,671						8				48	1		
Wilkes-Barre, Pa	do	51,721	23	1	1		1	2		8		62			
Wilkinsburg, Pa	Apr. 7	13,000	6	1	1										
Williamsport, Pa	Apr. 3	28,757	8		1			1							
Wilmington, Del	do	76,508	36		2				1		1				
Winona, Minn	Apr. 6	19,714	2												
Woburn, Mass	Apr. 3	14,254	7	1				1				1			
Yonkers, N. Y	Apr. 1	47,931	24	4	5			15		4		7	1		
Do	Apr. 8	47,931	25	10	7			9		3		13			
York, Pa	Mar. 31	33,708		4		1		2		1		2			
Zanesville, Ohio	Apr. 3	23 538	8			5		1							

[a] Report covers four days.

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FOREIGN AND INSULAR.

Assignment of inspectors to the fruit ports of Central America and ports in Mexico and the West Indies—Circular of instructions.

The following-named acting assistant surgeons have been appointed and assigned to duty at American consulates at the fruit ports of Central America and certain ports in Mexico and the West Indies, named below, for the present quarantine season for the purpose of inspecting vessels, their cargoes, and crews bound from said ports to ports of the United States and its insular possessions:

FRUIT PORTS.

D. W. Goodman, Limon, Costa Rica.
R. P. Ames, Livingston, Guatemala.
T. B. L. Layton, Bluefields, Nicaragua.
Allen J. Jumel, Ceiba, Honduras.
C. L. Mengis, Belize, British Honduras.
L. A. Wailes,Puerto Cortez, Honduras.
Paul Osterhout, Bocas del Toro, Panama.
C. K. Roe, Tela, Honduras.

MEXICO.

J. F. Harrison, Progreso, Mexico.
C. S. Carter, Veracruz, Mexico.
Leroy Stowe,Tampico, Mexico.
W. R. P. Thompson, Coatzacoalcos, Mexico.
Alfredo E. Gochicoa, Salina Cruz, Mexico.

WEST INDIES.

R. H. Urquhart, Bridgetown, Barbados, British West Indies.
William F. Wild, St. Thomas, Danish West Indies.
A. G. Maylie, Castries, St. Lucia, British West Indies.

The following special quarantine regulations for fruit vessels will be enforced:

TREASURY DEPARTMENT,
OFFICE OF THE SECRETARY,
Washington, April 15, 1907.

To United States Consular Officers, Master and Owners of Vessels, Collectors of Customs, National, State, and Local Quarantine Officers, and others:

To permit vessels from foreign ports with perishable cargoes of fruit to enter southern ports in the United States, without detention, the following special regulations are promulgated, as provided in the general quarantine regulations of April, 1903, and will be enforced at the ports of departure, and on arrival.

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These regulations are a concession to vessels engaged in the fruit trade and contain provisions for the conduct of such trade with safety without injurious detention of the fruit at domestic quarantine stations. While the regulations are more stringent when yellow fever is reported at a fruit port they do not impose an embargo on the fruit traffic. The success of the regulations, however, depends upon reliable information as to health conditions and prompt knowledge of the first appearance and subsequent cases of yellow fever at any port. Therefore, the department reserves the right, when satisfied that information is being denied or withheld, to recall from the port the medical officer detailed thereto by authority of the President. In this event the issue of the special certificate required by these regulations would be impossible, and fruit vessels from a port from which the medical officer has been recalled will be subject to the general quarantine regulations requiring disinfection at the domestic station and detention of personnel six days thereafter.

REGULATIONS TO BE ENFORCED AT FOREIGN PORTS SUSPECTED OF BEING INFECTED WITH YELLOW FEVER.

1. None of the crew shall be allowed to go on land except the captain or his representative, or both when absolutely necessary, who shall go only to enter and clear the vessel, and only in the daytime.

2. No one from the shore shall visit the vessel except the quarantine officers, customs officers, and agent of the ship.

3. All laborers who may be taken on the ship for loading purposes must have no intercourse with the shore subsequent to their entry upon the vessel until their final discharge therefrom.

4. No intercourse is to be allowed with persons on shore, except as provided in the preceding paragraphs. All fruit intended for shipment on vessels lying at docks shall be graded and payment made for the same on shore or dock; such operations should not await the arrival of the fruit on shipboard. Fruit brought alongside by small boats or lighters shall be graded and necessary payment made over ship's side.

5. All passengers must embark from the regular ports and must have been under the observation of the sanitary inspector of the United States for at least three days prior to the departure of the ship, and be provided with his certificate to that effect. Where passengers come from elevated and noninfectible points in the interior to coast towns for embarkation, they should not be required to pass the three-day period of observation in the latter places because of possible danger of developing malarial or other tropical fevers. They should be required to bring a certificate from the United States consul, or a reliable physician, and the sanitary inspector shall satisfy himself that they have been at such elevated and noninfectible interior points for three days immediately preceding their arrival at coast towns.

6. Special attention should be paid to the sanitary condition and history of passengers arriving, directly or indirectly, from the Pacific coast towns of Central America.

7. All outgoing vessels must be provided with a bill of health in accordance with the law, and, in addition thereto, certificates in duplicate, signed by the medical officer attached to the consulate, giving the name of the ship, her master, the number of crew, a list of passengers, their sanitary condition, their ultimate destination in the United States, and stating the health condition of the port and surrounding country, of the ship and her crew, with any other pertinent information; also certifying that the vessel has complied with all the requirements of this circular for the port of departure. This certificate shall be attached to the bill of health, and the duplicate to the duplicate bill of health, and shall be the evidence of compliance with the above requirements on which the vessel, arriving with a good sanitary history and in good sanitary condition, may be admitted to entry, without the usual disinfection and detention in quarantine. Holds of such vessels should be disinfected with sulphur, after discharge of cargo, when deemed necessary.

REGULATIONS TO BE ENFORCED AT FOREIGN PORTS INFECTED WITH YELLOW FEVER.

8. The foregoing rules and regulations shall apply also to vessels engaged in the fruit trade between foreign ports infected with yellow fever, or where yellow fever prevails, and ports of the United States, and are the special regulations provided for in paragraph 69, Exception B, of the quarantine regulations for domestic ports, April 1, 1903. Attention is called to the further requirement that these vessels shall carry no passengers, and also to the general regulations to be observed at all foreign ports where yellow fever prevails with regard to vessels leaving for the United States or its dependencies.

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9. The vessel shall not lie where her crew will be exposed to the danger of contracting yellow fever, and at ports where the vessels lie at wharves the vessel must be moved into the stream or at least 200 meters from the wharf before sunset, and not returned to the wharf before sunrise the following day, except at ports where previous permission has been obtained from the Bureau.

10. Water tanks, water buckets, and other collections of water about the vessel must be guarded in such manner that they shall not become breeding places for mosquitoes. The destruction of mosquitoes aboard must be insured as far as possible by the simultaneous fumigation—2 pounds of sulphur per 1,000 cubic feet, all openings closed for two hours—of all compartments which can be so treated without injury to the cargo. Pyrethrum powder, taking care to sweep up and destroy the mosquitoes, may be substituted in the engine room at the option of the medical officer.

11. The vessel should sail immediately after this fumigation is completed.

12. All baggage should be rigidly inspected and the exclusion of mosquitoes assured.

NOTE.—While the foregoing are specific regulations for fruit vessels, it should be borne in mind that they relate only to yellow fever, and that in the event of an outbreak of any other quarantinable disease at the port of departure, the general quarantine regulations for diseases other than yellow fever, approved April 1, 1903, should be enforced on these fruit vessels.

REGULATIONS TO BE ENFORCED AT SOUTHERN PORTS OF THE UNITED STATES.

13. Fruit vessels plying between United States ports and fruit ports where yellow fever is known to exist will not be given pratique under the provisions of these special regulations until they have been not less than six days from the port of departure.

14. Whenever the master or agent of the vessel so desires, the following alternative to paragraph 13 is offered:

a. Fruit vessels from ports where yellow fever is known to exist will be permitted to enter as soon as the crew, except the master, first mate, and chief engineer, shall have been removed from the vessel and placed in quarantine at the station and the living quarters of the vessel thoroughly fumigated. The quarantine officer shall certify the number of the crew removed, and shall compare and verify the same with the bill of health of the vessel. The vessel may then be released and either towed to the city docks or a new crew will be permitted to be placed on board.

b. The new crew may either leave the ship at the dock or return with the vessel to the quarantine station, but if for any sanitary reason their detention on the vessel at the dock or return on the same vessel to the quarantine station should be deemed necessary by the quarantine officer or the service representative in the city such detention or return shall be required.

c. The crew detained at the quarantine station may be released at the expiration of six days from the infected port or six days from their last possible exposure to infection. If for any reason the quarantine officer deems it necessary to detain them longer this may be done. After release the crew may be permitted to proceed to the city to rejoin their vessel, or rejoin the vessel at the station on her outward trip.

d. Immediately after unlading at the dock all parts of the vessel shall be simultaneously fumigated for the destruction of mosquitoes with 2 pounds of sulphur per 1,000 cubic feet of space. After such fumigation lading for outgoing cargo may commence.

e. If the vessel departs without cargo the vessel may be fumigated en route to quarantine.

f. Two sets of quarters must be maintained at the quarantine station, one for the crews of incoming vessels, and the other for such relief crews as may be employed by the companies, and both quarters shall be fumigated immediately after being vacated.

g. The requirements of these provisions, and each step and detail thereof, shall be certified by the proper quarantine officer before clearance papers are granted.

15. Fruit vessels without certificates of the United States sanitary inspectors at foreign ports shall be subject to the general quarantine regulations of the United States.

16. Persons exposed to infection in unloading cargo onto lighters shall be detained, after such exposure, as provided for other persons exposed to yellow fever.

17. Any officer of a fruit vessel detected in evading or violating these special regulations shall forfeit, for any vessel upon which he may subsequently be found, or be engaged, any participation in the special privileges accorded by these regulations.

18. Fruit vessels trading with any ports infected with yellow fever must carry a competent, qualified physician.

19. *Fruit vessels arriving with yellow fever on board, or having had yellow fever on board during the voyage*, shall be placed in quarantine. The personnel shall be removed,

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with the exception of the master, first mate, and engineer, the living apartments thoroughly disinfected, the vessel provided with a new crew sufficient to care for her, and towed, or proceed under her own steam, to the docks for discharge of cargo. All officers and crew shall be detained on board, under guard, until the completion of the discharge of cargo, while the vessel is at the dock and until the return of the vessel to the quarantine station. Immediately upon the completion of the discharge of cargo, the holds shall be fumigated with sulphur and the vessel shall be returned to the quarantine station and permitted to take on her crew before proceeding to sea.

20. This circular supersedes all previous department circulars relating to special quarantine regulations for fruit vessels.

GEORGE B. CORTELYOU,
Secretary.

ALGERIA.

Deratization at Algiers and other localities—Rat fleas.

The following is taken from the *Bulletin Bimensuelle,* Algiers, March 1–15:

Algiers.—February 1–15: Rodents taken by the maritime sanitary service, 516; examined by the laboratory of health, 91; result, negative. Classification of rats: *Mus norvegicus,* 372; *Mus rattus,* 47; *Mus musculus,* 87. Rat fleas determined—*Pulex cheopis* on 2 *Mus rattus,* 8; *Ctenopysylla musculi* on 1 *Mus rattus,* 8; *Ceratophyllus* on 1 *Mus rattus,* 2.

Bône.—Month of February, 1909: Rodents taken, 235; examined, 145.

Bougie.—Month of February, 1909: Rodents taken, 33; examined, 27; rodents taken on wharves; result negative.

Dellys.—Month of February, 1909. Rodents taken, 89; all in city.

Oran.—Month of February, 1909. Rodents taken, 89; examined, 244; result negative.

Philippeville.—Month of February, 1909. Rodents taken, 33; examined, 23; result negative.

Ténés.—Month of February, 1909. Rodents taken, 70; on wharves and in wharf warehouses.

BARBADOS.

Report from Bridgetown—Status of yellow fever.

Consul Martin reports, March 27:

Since report of March 22, 3 cases of yellow fever have been reported, 1 case in the parish of St. Michael and 2 cases in St. Joseph parish.

Bridgeton has not had a case since March 11.

The work of the health authorities is vigorously carried on.

BRAZIL.

Report from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox—Outbreak of plague at Magillones, Chile.

Acting Assistant Surgeon Stewart reports, March 11:

Week ended March 7. Vessels inspected and received bills of health: March 1, the British steamship *Corsican Prince,* for New York, in cargo of coffee, with no passengers and no change in the crew personnel; March 4, the British steamship *Redhill,* for New Orleans,

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in coffee cargo, with no passengers and no change in the crew personnel; March 6, the British steamship *Tennyson*, for New York, in coffee cargo, with 10 cabin and 3 steerage passengers and no change in the crew, and on the same date the German steamship *Corrientes*, for New York, with 2 cabin passengers and no change in the personnel of the crew.

No other vessels left this port for United States ports during the week.

Bubonic plague in Chile.

Telegraphic dispatches of March 9 and 10 state that plague has broken out with great virulence in the city of Magillones, a seaport north of Antofagasta. The city is virtually depopulated, the inhabitants having fled from the locality after the occurrence within a few days of 70 cases.

Mortality in Rio de Janeiro—Plague and smallpox.

Week ended March 7. Total estimated population, 811,443. Census population, 1907, 628,675. Total deaths, 288. No deaths nor cases reported due to yellow fever. Plague caused 1 death, with 5 new reported cases, and smallpox 14 deaths with 25 new reported cases, of which number 1 case was reported from the suburban districts. At the close of the week there were in the Hospital São Sebastião 35 cases of smallpox and 3 cases of plague under treatment.

CHINA.

Reports from Hongkong—Quarantine restrictions—Plague and smallpox—Inspection of emigrants—Inspection of vessels.

Acting Assistant Surgeon Hough reports, March 3: Weeks ended February 6, 13, 20, and 27.

Restrictions enforced by Hongkong remain as reported January 30.

Restrictions enforced against Hongkong remain as reported January 30.

Quarantinable diseases.

	Plague.		Smallpox.	
	Cases.	Deaths.	Cases.	Deaths.
Week ended:				
February 6	0	0	0	0
February 13	1	0	0	0
February 20	1	2	1	0
February 27	4	3	3	0

Vessels inspected and granted bills of health.

Week ended:	
February 6	8
February 13	10
February 20	7
February 27	7

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Examination of aliens for Honolulu and Pacific coast ports.

Week ended February 6:	
Examined	0
Rejected	0
Week ended February 13:	
Examined	4
Rejected	1
Week ended February 20:	
Examined	160
Rejected	20
Week ended February 27:	
Examined	119
Rejected	40

Examination of aliens for Philippine Islands.

Week ended February 6:	
Examined	5
Rejected	1
Week ended February 13:	
Examined	0
Rejected	0
Week ended February 20:	
Examined	0
Rejected	0
Week ended February 27:	
Examined	16
Rejected	11

Reports from Shanghai—Inspection of vessels—Examination of emigrants—Plague-infected rats—Smallpox.

Acting Assistant Surgeon Ransom reports, March 10:

Week ended December 19, 1908. Supplemental bill of health issued to 1 steamship with an aggregate personnel of 313. There were inspected during the week 2 steamships, 142 members of crews, and 2 steerage passengers. Manifests were viséed for 1,223 pieces of freight.

Many plague-infected rats have been found in the vicinity of the wharves. Smallpox continues present in the settlement to a slight extent. (Report received out of date.)

Week ended March 6, 1909. Supplemental bills of health granted to 2 steamships having an aggregate personnel of 708. There were inspected 1 vessel, 107 members of crews, and 5 steerage passengers, with 11 pieces of personal baggage; 3 pieces of baggage were disinfected; 3 emigrants for San Francisco per steamship *Manchuria* were examined and passed and 1 intending emigrant was advised to wait.

The steamship *Manchuria*, Hongkong to San Francisco, remained in this port twenty hours, during which time she was anchored at Woosung. She loaded from lighters during daylight only, ana shore liberty was allowed to cabin passengers only. Inspection was held at the tender at the time of her departure for the vessel. The condition of the ship and personnel from Hongkong was certified by the surgeon of the vessel.

The steamship *Kaga Maru*, Hongkong to Seattle, remained in this port 18 hours, in the stream. She loaded from lighters during daylight only, and shore liberty was granted to the cabin passeagers and the purser only. Inspection of the crew and steerage passengers was held on board the vessel at the hour of her departure.

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Manifests were viséed during the week for 429 packages of freight, aggregating 153.16 tons.

The weekly report of the municipal health department shows among natives 1 death from smallpox.

Plague-infected rats continue to be found in all sections of the settlement with the exception of the western district. Of 521 rats found dead and examined at the municipal laboratory, 10 were found to be plague infected. Of these latter, 6 were from the eastern and 2 each from the northern and central districts.

Reports from Hankau for the weeks ended February 20 and 27 show no quarantinable disease present. Reports from Tientsin for the weeks ended February 13, 20, and 27 show 1 new case of smallpox for the last-named period.

CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, April 5:

Week ended April 3.

Vessels inspected	6
Bills of health issued	6
Members of crews inspected	177

No quarantinable diseases have been reported.

Reports from Habana—Inspection of vessels—Further relative to case of smallpox from steamship from Veracruz—Mosquitoes—Smallpox on steamship La Navarre from Spain—Sanitary conditions.

Passed Assistant Surgeon Amesse reports, April 1 and 5:

Week ended March 27.

Vessels inspected	24
Bills of health issued	27
Members of crews of outgoing vessels inspected	1,392
Passengers of outgoing vessels inspected	1,351
Vaccination certificates issued	25

Smallpox appeared at the Triscornia quarantine station in the person of a first-cabin passenger who arrived from Veracruz March 22. The patient was removed to Las Animas Hospital and the usual precautions were taken to prevent the extension of the disease. (See Public Health Reports, April 2, 1909, p. 421.)

Mosquitoes are becoming numerous.

Week ended April 3.

Bills of health issued	30
Vessels inspected	25
Members of crews of outgoing vessels inspected	2,041
Passengers of outgoing vessels inspected	2,263

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A further case of smallpox was reported during this period, the patient being a steerage passenger of the French liner *La Navarre*, 14 days out from Spain.

The case was transferred together with 400 fellow-passengers to the Cuban quarantine station at Mariel, and the vessel properly disinfected.

All officers and troops belonging to the army of Cuban pacification, a total of 1,082, embarked April 1 per transports *Sumner* and *McClellan* for Newport News.

The chartered transport *Progreso* sailed the day previous for Tampa with 500 horses and mules.

Reports from the various health officers of the Republic indicate satisfactory sanitary conditions in Habana and the interior.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, April 5:

Week ended April 3. Bills of health issued to 7 vessels clearing for United States ports in good sanitary condition.

No quarantinable diseases were reported in this district during the week.

Report from Santiago—Inspection of vessels—Leprosy.

Acting Assistant Surgeon Wilson reports, March 31:

Week ended March 27. Bills of health issued to 5 vessels bound for the United States. No vessel was fumigated. No new case of quarantinable disease was reported. Of the cases of leprosy reported March 16, 1 died, leaving 3 cases.

HAWAII.

Reports from Honolulu—Examination of rats at Honolulu and Hilo for plague infection.

Passed Assistant Surgeon Currie reports, March 22 and 29, through Temporary Chief Quarantine Officer Moore:

HONOLULU.

Week ended March 20.

Total rats taken	709
Trapped	709
Found dead	0
Examined bacteriologically	606
Plague infected	0
Classification of rats trapped:	
Mus alexandrinus	125
Mus musculus	272
Mus norvegicus	188
Mus rattus	124
Average number of traps set daily	1,556
Number of poisons placed (barium carbonate)	415
Rats from Hilo referred to this laboratory for bacteriological diagnosis	0
Rats from Hilo still under investigation	0
Rats from Hilo proved to be plague infected during week	3

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Week ended March 27.

Total rats taken	672
Trapped	660
Found dead (mus rattus)	1
Examined bacteriologically	571
Plague infected	0
Classification of rats trapped:	
Mus alexandrinus	105
Mus musculus	277
Mus norvegicus	167
Mus rattus	112
Average number of traps set daily	1,556
Number of poisons placed (barium carbonate) lumps	517
Number of rats killed by sulphur dioxid	11
Classification of rats killed by sulphur dioxid:	
Mus alexandrinus	5
Mus rattus	6
Rats from Hilo referred to this laboratory for bacteriological diagnosis	0
Rats from Hilo still under investigation	0
Rats from Hilo proved to be plague infected during week	0

HILO.

Week ended March 13.

Total rats taken	76
Trapped	66
Found dead	10
Examined by agent of board of health	71
Classification of rats:	
Mus alexandrinus	7
Mus musculus	4
Mus norvegicus	22
Mus rattus	43

Week ended March 20.

Total rats taken	112
Trapped	108
Found dead	4
Examined by agent of board of health	110
Classification of rats:	
Mus alexandrinus	10
Mus musculus	10
Mus norvegicus	29
Mus rattus	63

HONDURAS.

Reports from Puerto Cortez, fruit port.

Acting Assistant Surgeon Wailes reports:

Week ended April 1, 1909. Present officially estimated population, about 3,500. General sanitary condition of this port and the surrounding country, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.
Apr. —	H. T. Inge	31	1
	Utstein	16	

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INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, March 4:

Week ended February 27. No transactions.

Week ended March 6. Bills of health issued to the steamship *Bantu*, bound for Philadelphia and New York, with a total crew of 41; to the steamship *Tannenfels*, bound for Boston and New York with a total crew of 62; and to the steamship *Duffield* with a total crew of 27. The usual precautions were taken, holds fumigated, rat guards placed on wharf lines, and Asiatics' effects disinfected.

Week ended February 27. At Calcutta, 40 deaths from cholera, 36 from plague, and 332 from smallpox; in Bengal, 441 cases and 351 deaths from plague; in India, 4,717 cases and 3,750 deaths from plague.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, March 20:

Vessels inspected at Naples, week ended March 22.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 14	Indiana	New York	1,295	50	1,520
15	Bulgaria	do	2,166	150	2,480
16	Cretic	do	1,440	110	1,680
17	Madonna	do	1,172	90	1,350
18	Lombardia	do	1,053	50	1,180
19	Königin Luise	do	1,137	80	1,450
20	Verona	Philadelphia	2,238	100	2,650
20	Luisiana	New York	1,261	60	1,480
	Total		11,762	690	13,790

Rejections recommended.

Date	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Measles.	Other causes.	Total.
Mar. 14	Indiana	14	1	2			10	27
15	Bulgaria	32	7	21	1		19	80
16	Cretic	17	2	18			10	47
17	Madonna	12	2	5			6	25
18	Lombardia	20	5	20		1	7	53
19	Königin Luise	27	1	11			17	56
20	Verona	38	5	25			18	86
20	Luisiana	9	2	7		1	13	32
	Total	169	25	109	1	2	100	406

Smallpox in Naples.—During the week ended March 21, 21 cases of smallpox with 2 deaths were reported at the health office of the city of Naples.

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Status of smallpox in Italy.—Week ended March 21. Rescaldino (Milan), 1 case; Parma, 7 cases; Tribano (Padua), 1 case; Verona, 2 cases; Amatrice (Aquila), 3 cases.

JAPAN.

Reports from Yokohama—Inspection and fumigation of vessels—Examination of emigrants—Cleansing of houses—Measures against rats.

Passed Assistant Surgeon Cumming reports, March 17:

Week ended December 26, 1908. Six steamships with personnel aggregating 708 crew, 160 saloon, and 826 steerage passengers, of which 2 were bound for Manila, 1 for San Francisco via Seattle, 1 for same port via Honolulu, 1 for Seattle, 1 for Honolulu via Hokkaido, were inspected and given bills of health. Nineteen would-be steerage passengers, of whom 13 were passed and 6 held pending decision as to trachoma, were inspected. Fifteen persons were bathed and 18 pieces of baggage disinfected. (Received out of order.)

Two weeks ended March 13, 1909. Bills of health issued to 8 steamships having a personnel of 900 members of crews and 540 steerage and 133 saloon passengers. Of these vessels 2 were bound for Manila, 1 for Cavite, 2 for Seattle, 1 for Portland, Oreg., and 2 for San Francisco via Honolulu.

The steamship *Nikko Maru* hence for Australia via Manila was fumigated throughout with sulphur dioxide and washed down with carbolic solution on account of previous ports.

No quarantinable disease has been reported, but several plague-infected rats have been found near Kobe. The spring cleaning of all native houses has begun in addition to special measures against rats, for which poison and traps are used.

Examination of emigrants.

Number of emigrants per steamship *Manchuria* March 13 held for observation: For Honolulu 4; for San Francisco 5.

Per steamship *Kaga Maru* March 17 for Seattle, held for observation 11.

Detentions were for trachoma.

Report from Kobe—Inspection of vessels—Examination and disinfection of emigrants.

Acting Assistant Surgeon Knight reports, March 16:

Week ended March 13. Supplemental bills of health granted to 4 steamships. There were inspected 41 members of crew and 282 steerage passengers, and 23 steerage passengers were bathed, disinfected, and had their effects disinfected by steam. The number of pieces of baggage steamed was 101 and bedding 78. Manifests were viséed for 45,662 pieces of freight, amounting to 3,801 tons.

Emigrants were examined as follows: Per steamship *Manchuria* for Honolulu, passed 10, recommended for rejection 10; for San Francisco, passed 6, recommended for rejection, 4; per steamship *Kaga Maru* for Seattle, passed 12, recommended for rejection 5. The emigrants passed, together with 11 intending passengers to Victoria, by the steamship *Kaga Maru* were inspected, bathed, and disinfected, and their effects were disinfected before embarkation.

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Report from Nagasaki—Examination of emigrants.

Acting Sanitary Inspector Thompson reports, March 13:

Two emigrants per steamship *Chito Maru* for Honolulu recommended for rejection.

MEXICO.

Inspection of localities on the line of the Mexican International Railroad for smallpox.

Acting Assistant Surgeon Hume, at Laredo, Tex., was directed by the bureau, March 29, to investigate smallpox on the line of the Mexican International Railroad. He reports April 7:

I left Eagle Pass March 30 and proceeded to Sabinas, Mexico, where I found 1 case of smallpox quarantined at a safe distance from the town. This case was thoroughly isolated and convalescing. Sabinas has had some 10 cases of smallpox.

Conditions at San Juan de Sabinas, which is situated 5 miles from Sabinas and off the line of railroad, were found to be good. Three cases of smallpox were found at Rosita, which is a large mining camp, also removed from the railway line. The camp was thoroughly examined.

All cases are removed to a camp where the patients are isolated. Quarters are burned after the death or convalescence of the diseased individuals, and all cats and dogs which might have been exposed to the disease are killed.

No smallpox was found at dwellings between Rosita and Encino Solo. April 3 inspected Cloaty's mine and Aguajita.

Report from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports, April 2:

Week ended March 31. Bills of health issued to 3 vessels bound for the United States.

No cases of quarantinable disease were reported during the week.

NICARAGUA.

Report from Bluefields, fruit port—Sanitary conditions.

Acting Assistant Surgeon Layton reports, April 1:

The general health conditions in the vicinity of Bluefields appear to be good. Malarial fever is the prevailing disease, both in the town and in the surrounding country. Mosquitoes are noticeably few. The *Stegomyia calopus* apparently is entirely absent. The dry season has already lasted nearly 4 weeks. The parched condition of the soil, the absence of breeding places, and the numerous empty cisterns throughout the town account for the few mosquitoes present. A drinking-water famine is imminent, and unless rain falls shortly water for all other purposes will have to be carried from a distance and from sources not to be relied upon.

According to the official estimate, the population of Bluefields decreased since last November from 3,500 to 2,500—a loss of a thousand inhabitants in less than half a year. Diseases and death have

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not, however, been responsible for the rapid depopulation. The exodus began in February last.

The quarantine season for this year went into effect this morning.

PHILIPPINE ISLANDS.

Report from Manila—Smallpox—Status of cholera in the provinces—Quarantine modified on account of improved conditions—Smallpox on steamship Indrapura—Inspection of vessels.

Chief Quarantine Officer Heiser reports, March 2:

Week ended February 27, five cases of smallpox reported for the city of Manila.

Cholera cases and deaths in the provinces reported to the bureau of health during the week.

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Bohol	33	25	Samar	5	2
Capiz	6	4			
Pampanga	2	2	Total	48	34
Bulacan	2	1			

Cholera conditions.—A few isolated cases of cholera continue to be reported from the provinces of Cagayan, Pampanga, Laguna, and Capiz, but the disease shows no tendency to spread. In view of the fact that the province of Capiz is the only maritime province among those affected, it has been deemed advisable to lift the greater portion of the quarantine restrictions which were necessary on account of the outbreak of cholera, and to resume the status which obtained at the time the cholera made its reappearance.

Smallpox.—Smallpox continues to be reported from many sections of the Philippines, including a few scattering cases in the city of Manila. An analysis made of the cases shows that these are almost entirely confined to children under 6 years of age, and that the majority of them show no signs of ever having been vaccinated.

Smallpox on board the steamship Indrapura.—The steamship *Indrapura* arrived at Manila February 20. Inspection of the passengers and crew revealed no quarantinable diseases and the vessel was given pratique in the usual manner. February 26 the master of the vessel requested that one of the crew be examined. This was done, and the man was found to be suffering with smallpox. The patient was transferred to the San Lazaro hospital of the bureau of health, all persons on board the vessel were promptly vaccinated, and the infected quarters were washed down with bichloride solution and fumigated with sulphur. The crew, with dunnage and other textiles, were sent to the Mariveles quarantine station for bathing and disinfection. The vessel is bound for New York after loading, but she will probably take on new crew, with the exception of the officers, at Singapore.

Consular bills of health issued at the port of Manila during the week: February 24 the British bark *Sawhill*, with 34 crew, in ballast, was granted a bill of health for Iloilo. February 27 the British steamship *Loongsang*, with 60 crew, was granted a supplemental bill of health for Iloilo.

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RUSSIA.

Report from Libau—Status of cholera at St. Petersburg—Cholera at Saratov—Examination of emigrants.

Acting Assistant Surgeon De Forrest reports, March 27:

During the week ended March 26 there were 19 cases of cholera with 4 deaths at St. Petersburg. The first case of cholera at Saratov for the current year occurred March 21. No other cases were reported during the week. The steamship *Russia* sailed March 24 with crew and officers of 129, steerage passengers 1,033, cabin passengers 16, making a total of 1,178 persons on board. All passengers, including cabin passengers, had been in Libau 5 days or more.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

ARGENTINA—*Rosario de Santa Fe.*—Month of January, 1909. Estimated population, 168,214. Total number of deaths, 380, including diphtheria 4, measles 7, enteric fever 11, scarlet fever 3, whooping cough 1, and 45 from tuberculosis.

BRAZIL—*Pernambuco.*—Month of February, 1909. Estimated population, 210,000. Total number of deaths, 270, including measles 1, smallpox 11, yellow fever 1, enteric fever 2, and 45 from tuberculosis.

São Paulo, Santos, and Campinas.—Two weeks ended February 21, 1909. Estimated population, 300,000. Total number of deaths, 358, including smallpox 6, measles 4, enteric fever 4, whooping cough 2, and 30 from tuberculosis.

CANADA—*Ontario—Hamilton.*—Month of March, 1909. Estimated population, 66,967. Total number of deaths, 98, including enteric fever 1, scarlet fever 2, diphtheria 1, and 3 from tuberculosis. Cases: Scarlet fever 26, enteric fever 3, diphtheria 16, measles 2, and whooping cough 6.

CUBA—*Matanzas.*—Four weeks ended March 20, 1909. Estimated population, 35,515. Total number of deaths, 78, including 17 from tuberculosis.

FRANCE—*St. Etienne.*—Two weeks ended March 15, 1909. Estimated population, 150,000. Total number of deaths, 158, including scarlet fever 3 and 24 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended March 20, 1909, correspond to an annual rate of 22.1 per 1,000 population, which is estimated at 16,445,281.

London.—Two thousand two hundred and twenty-five deaths were registered during the week, including measles 125, smallpox 1, scarlet fever 7, diphtheria 19, enteric fever 5, whooping cough 36, tuberculosis 177, and 16 from diarrhea. The deaths from all causes correspond to an annual rate of 22.7 per 1,000. In Greater London 3,070 deaths were registered. In the "outer ring" the deaths included 13

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from measles, 3 from scarlet fever, 5 from diphtheria, and 3 from whooping cough.

Manchester.—Report for the four weeks ended February 27, 1909. Estimated population, 655,435. Total number of deaths, 1,104, corresponding to a weekly death rate of 22.0 per 1,000 of population, including measles 41, whooping cough 18, diphtheria 17, enteric fever 15, and 135 from tuberculosis.

Ireland.—The average annual death rate represented by the deaths registered during the week ended March 20, 1909, in the 21 principal town districts of Ireland was 26.1 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Galway, viz, 15.5, and the highest in Colonmel, viz, 46.2 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended March 20, 1909, correspond to an annual rate of 21.1 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Greenock, viz, 26.0, and the lowest in Edinburgh, viz, 17.2 per 1,000. The aggregate number of deaths registered from all causes was 754, including diphtheria 12, measles 2, scarlet fever 6, enteric fever 4, and 51 from whooping cough.

GREECE—*Patras.*—Two weeks ended March 15, 1909. Estimated population, 40,000. Total number of deaths, 22, including 2 from tuberculosis.

ITALY—*Genoa.*—Six weeks ended March 15, 1909. Estimated population, 279,163. Total number of deaths, 1,335, including enteric fever 6, diphtheria 9, measles 71, scarlet fever 7, and 84 from tuberculosis.

Turin.—Month of November, 1908. Estimated population, 373,701. Total number of deaths, 449, including enteric fever 6, diphtheria 3, and 63 from tuberculosis.

JAPAN—*Formosa.*—Seven weeks ended March 13, 1909. Estimated population, 3,108,723. Total number of deaths, 200, including enteric fever 10, diphtheria 3, and 183 from plague.

MADAGASCAR—*Tamatave.*—Month of February, 1909. Estimated population, 7,086. Total number of deaths, 24; no deaths were reported from contagious diseases.

MALTA.—Four weeks ended March 13, 1909. Estimated population, 209,974. Total number of deaths, 347, including enteric fever 2, smallpox 1, diphtheria 1, and 16 from tuberculosis.

SPAIN—*Almeria.*—Month of February, 1909. Estimated population, 50,000. Total number of deaths, 135, including enteric fever 2, smallpox 2, whooping cough 2, and 10 from tuberculosis.

URUGUAY—*Montevideo.*—Month of January, 1909. Estimated population, 312,388. Total number of deaths, 395, including smallpox 1, measles 1, scarlet fever 11, diphtheria 2, enteric fever 2, and 50 from tuberculosis.

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Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to April 16, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15–Dec. 5	12	10	
China:				
Hongkong	Dec. 28–Jan. 16	2	2	
India:				
Bombay	Dec. 9–Mar. 16		86	
Calcutta	Nov. 1–Mar. 6		301	
Madras	Nov. 14–Mar. 5		56	
Negapatam	Oct. 31–Feb. 12		11	
Rangoon	Nov. 8–Mar. 6		54	
Indo-China—Cholen	Nov. 9–15	1	1	
Persia:				
Tabriz	Oct. 9–Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1–Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1–Jan. 16	260	163	
Bataan	Nov. 1–7	1	1	
Bohol	Dec. 20–Feb. 27	225	144	
Bulacan	Nov. 1–Feb. 27	82	71	
Cagayan	Nov. 1–Jan. 16	114	67	
Capiz	Nov. 1–Feb. 27	1,350	762	
Cavite	Nov. 1–Feb. 20	110	81	
Cebu	Dec. 20–Feb. 6	21	15	
Ilocos Norte	Nov. 1–Jan. 16	335	235	
Ilocos Sur	Nov. 1–Jan. 2	207	140	
Iloilo	Nov. 1–Jan. 16	293	154	
Isabela	Jan. 24–30	2		
La Laguna	Nov. 1–Feb. 20	117	79	
Leyte	Nov. 1–Jan. 30	155	124	
Negros Occidental	Nov. 1–Jan. 16	272	175	
Nueva Ecija	Feb. 14–20	1	1	
Palawan	Nov. 1–Dec. 19	10	5	
Pampanga	Nov. 1–Feb. 27	72	48	
Rizal	Nov. 1–Feb. 20	246	216	
Samar	Nov. 1–Feb. 27	170	111	
Sorsogon	Jan. 10–Feb. 20	98	64	
Surigao	Nov. 15–Jan. 12	7	4	
Union	Nov. 1–Jan. 12	12	8	
Zambales	Dec. 6–12	3	3	
Russia, general	Nov. 15–Mar. 20	4,255	1,770	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijak, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15–Jan. 23	34	13	
Bakoo	Nov. 22–28	3	2	
Batoom	Nov. 15–21	4	2	
Charkov	Dec. 6–Mar. 13	6	1	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Mar. 6	190	97	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7–Mar. 20	63	28	
Kherson	Nov. 15–Dec. 19	2		
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1		
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3		
Romanov-Borisoglyebsk	Mar. 10			Present.
Rybinsk	Mar. 13	7		
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of	Dec. 19–26	1		
Stavropol	Nov. 15–21	1		
St. Petersburg, government	Nov. 15–Mar. 19	35		
St. Petersburg	Nov. 29–Mar. 20	2,242	700	Mar. 26, still present.
Tambov	Nov. 15–Dec. 12	16	8	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Moscow district—Continued.				
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 23	102	48	
Toula	Feb. 21–Mar. 6	7	2	
Tver, district	Nov. 15–Dec. 5	4		
Volgoda	Dec. 6–12	1		
Yelisavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–Dec. 5	1		
Straits Settlements:				
Penang	Feb. 27	1		From s. s. Sunki Maru.
Singapore	Nov. 8–Feb. 27		165	

YELLOW FEVER.

Barbados, general	Dec. 12–Mar. 27	57	19	Including the parishes of St. Andrew, St. Lucy, St. Michael, and St. Joseph.
Bridgetown	Dec. 12–Mar. 20	11		
Speightstown	Mar. 7	1		
Brazil:				
Bahia	Nov. 15–Feb. 27	119	40	
Manaos	Nov. 29–Feb. 27		11	
Para	Nov. 22–Mar. 20		50	
Pernambuco	Nov. 15–Feb. 15		2	
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Oriente Province—San Luis	Jan. 1–2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29–Mar. 13		52	
Martinique:				
Fort de France	Dec. 13–Mar. 6	5	1	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–Mar. 6	15	8	
San Bernardo plantation	Dec. 27–Mar. 20	7	4	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Ticul	Feb. 1–Mar. 6	2	1	
Veracruz	Dec. 6–Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Azores:				
Terceira	Feb. 1–28	15	5	
Australia:				
Brisbane	Nov. 1–7	1	1	
Brazil:				
Bahia	Nov. 15–Feb. 27	51	26	
Para	Jan. 24–Feb. 6		2	
Pernambuco	Nov. 1–Dec. 31		10	
Rio de Janeiro	Nov. 16–Mar. 7	73	36	
Chile:				
Antofagasta	Feb. 28	15		
Arica	Mar. 9			Present.
Iquique	Nov. 22–Mar. 8	48	16	Mar. 8, 13 cases in the lazaretto.
Magillones	Mar. 9–10	70		
Taltal	Feb. 11			Present.
China:				
Amoy	Mar. 16			Do.
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–Feb. 27	8	7	
Tamchou	Dec. 19			Vicinity of Hainan; present.
Tientsin	Oct. 18–Nov. 21			Feb. 16, again present.
Tongshan	Nov. 1–14			Present.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Babahoyo	Jan. 16	3		
Guayaquil	Nov. 29–Mar. 13		59	
Milagro	Nov. 17–Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25–Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14–Jan. 20	4		
Port Said	Dec. 4	1		
Suakim	Feb. 1	1		On ss. Huriet II.
Provinces—				
Assiout	Dec. 2–Mar. 17	15	13	
Beherach	Nov. 24–Dec. 26	11	6	
Dakakileh	Feb. 4–Mar. 18	5	5	
Galyoobeeyeh	Nov. 21–Feb. 2	3		
Garbieh	Nov. 27–Jan. 28	4	2	
Girgeh	Oct. 18–Mar. 14	8	8	
Fayoum	Nov. 23–Dec. 1	1	1	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Feb. 9	5	4	
German East Africa:				
Dar-es-Salaam	Oct. 0–Jan. 7	7	5	
India:				
Bombay Presidency and Sind.	Nov. 2–Feb. 6	13,730	9,692	
Madras Presidency	Nov. 2–Feb. 6	881	636	
Bengal	Nov. 2–Feb. 6	2,321	1,948	
United Provinces	Nov. 2–Feb. 6	2,819	2,334	
Punjab	Nov. 2–Feb. 6	7,078	5,951	
Burma	Nov. 2–Feb. 6	2,790	2,551	
Central provinces, including Berar.	Nov. 2–Feb. 6	2,931	2,243	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Feb. 6	2,249	1,596	
Hyderabad State	Nov. 2–Feb. 6	507	416	
Central India	Nov. 2–Feb. 6	634	495	
Rajputana	Nov. 2–Feb. 6	1,437	1,405	
Grand total		37,382	29,370	
Indo-China:				
Cholen	Oct. 25–Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25–Feb. 27	18	17	
Japan:				
Formosa	Nov. 8–Mar. 13	262	207	Mainly in the central part.
Kagi, prefecture	Jan. 16	5		
Hiogo				Year 1908, 219 cases additional.
Kagoshima	Feb. 6	1		From ss. Shinkochi Maru.
Kobe	Jan. 20–Mar. 6	4	3	3 cases from ss. Ghazee.
Nara				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases.
Osaka	Dec. 22–Jan. 29	3	1	Year 1908, 59 cases additional. Case Jan. 29, on ss. Shinkochi Maru.
Yura		116	83	Year 1908.
Mauritius	Oct. 2–Jan. 14		106	
Peru:				
Arequipa, general	Feb. 19–25	3	1	
Mollendo	Nov. 1–Feb. 18	1	5	
Cajamarca, general	Feb. 19–Mar. 4	16	5	
Cascas	Feb. 12–18	12	5	
Chota	Jan. 22–Feb. 18	8	8	
Callao, general	Feb. 19–Mar. 4	2		
Callao	Nov. 13–Feb. 18	26	11	
Lambayeque, general	Feb. 19–Mar. 4	6	5	
Chiclayo	Nov. 13–Feb. 18	44	23	
Eten	Nov. 13–Dec. 31	11	10	
Jayanca	Feb. 4	12		
Lambayeque	Feb. 18	12		
Motupe	Dec. 17–Jan. 14	2		
San Jose	Nov. 13–Dec. 3	2		
Zaña	Jan. 14–Feb. 18	4	2	
Libertad, general	Feb. 19–Mar. 4	22	8	
Casma	Feb. 4	1	1	
Chepen	Nov. 27–Feb. 18	19	6	
San Pedro	Nov. 13–Feb. 18	28	21	
Trujillo	Nov. 13–18	153	70	
Lima, general	Feb. 19–Mar. 4	13	3	
Chorrillos	Jan. 22–Feb. 4	2	2	
Lima	Nov. 13–Feb. 18	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15		

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Piura, general	Feb. 19–Mar. 4	2	1	
Catacaos	Dec. 11–Feb. 18	7		
Paita	Dec. 11–17	3	2	
Piura	Dec. 11–Jan. 14	6	4	
Siam:				
Bangkok	Sept. 27–Dec. 26	12	6	Present in November.
Straits Settlements:				
Singapore	Nov. 30–Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6–Feb. 5	14	7	
Beirut	Dec. 17–Jan. 9	5	5	
Jiddah	Dec. 12–Mar. 21	144	128	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1–Feb. 28		78	Imported.
Bone	Jan. 1–Feb. 28	39	22	
Arabia:				
Aden	Nov. 25–Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1–Dec. 31		2	
Australia:				
New South Wales—				
Newcastle	Nov. 1–30	1		
Austria:				
Bohemia	Feb. 7–13	7		
Galicia	Dec. 20–Jan. 23	8		
Silesia	Jan. 3–Mar. 20	2		
Brazil:				
Bahia	Nov. 15–Feb. 27	293	22	
Para	Feb. 14–27	2	1	
Pernambuco	Nov. 1–Feb. 15		108	
Rio de Janeiro	Nov. 16–Mar. 6	1,310	647	
Santos	Nov. 1–Dec. 20		10	
São Paulo	Nov. 1–Feb. 21		57	
British Honduras:				
Stann Creek	Feb. 5–Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28–Jan. 2	4		
Canada:				
British Columbia—				
Vancouver	Dec. 1–Feb. 28	4		
Victoria	Dec. 12–Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20–Jan. 20	6		
Ontario, Province, general	Dec. 1–31	118		
Hamilton	Jan. 17–23	1		
Toronto	Nov. 8–28	7		
Nova Scotia—				
Halifax	Dec. 13–Apr. 3	70		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1–Mar. 27	29		Revised.
Quebec—				
Montreal	Dec. 26–Jan. 2	1		
Ceylon:				
Colombo	Nov. 1–Feb. 13	93	22	
Chile:				
Concepcion	Jan. 15–31	1		
Talcaguana	Nov. 20–Jan. 28			Present in vicinity.
Valparaiso	Dec. 6–19	2		
China:				
Amoy	Oct. 11–Nov. 8		2	Dec. 19, still present.
Hongkong	Jan. 3–30	4	2	
Shanghai	Nov. 11–Mar. 7	5	5	3 cases Nov. 11–Dec. 28 from U. S. transport Seward.
Tientsin	Jan. 17–Feb. 27	10	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26–Apr. 3	5		Case Dec. 26 on s. s. Floride, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt, general	Nov. 12–Feb. 25	737	164	
Alexandria	Nov. 26–Feb. 28	42	26	
Cairo	Nov. 19–Feb. 25	357	157	
France:				
Marseille	Dec. 1–Jan. 31		2	
Nice	Jan. 1–31	1		
Paris	Nov. 22–Mar. 20	49	2	
Toulon	Jan. 1–31	1		
Germany, general	Nov. 19–Mar. 27	46		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Brunswick	Feb. 16–20	1		
Hamburg	Mar. 13	2		Among Russian emigrants.
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22–Mar. 6		5	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–Mar. 27	23	6	
London	Feb. 1–6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25–Mar. 16		159	
Calcutta	Nov. 1–Mar. 6		1,603	
Madras	Nov. 28–Mar. 12		16	
Rangoon	Nov. 22–Mar. 6		36	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–Feb. 27	21	14	
Italy, general	Nov. 30–Mar. 21	193		
Catania	Feb. 28–Mar. 20	7		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–Mar. 10	4		
Genoa	Dec. 1–Feb. 28	8		
Naples	Dec. 7–Mar. 21	325	59	Jan. 18, 1 case on s. s. Europa.
Palermo	Jan. 24–Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15–21	2		
Japan:				
Formosa	Nov. 29–Mar. 13	19		
Kobe	Feb. 14–Mar. 6	5	2	
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–Feb. 27	55	4	
Malta	Nov. 22–Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17–30	1	1	
Mexico:				
Acapulco	Jan. 11–31	12		
Acayucan	Mar. 17			Present.
Guadalajara	Jan. 7–Apr. 1		10	
Mexico City	Nov. 8–Feb. 20		129	
Monterey	Jan. 4–Apr. 4		19	
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Salina Cruz	Jan. 1–15	5		
Tehuantepec	Jan. 28–Feb. 3			Do.
Veracruz	Dec. 13–Mar. 27	8	3	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Rotterdam	Jan. 10–Mar. 27	1	1	
Newfoundland	Feb. 9–Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10–Mar. 29	10		From s. s. Portia.
Norway:				
Bergen	Jan. 24–30		2	
Christiania	Nov. 22–28	1	1	
Paraguay:				
Asuncion	Dec. 20–26			Present.
Persia:				
Arabistan	Jan. 1–28			Do.
Dizfoul	Jan. 1–28			Do.
Hamadan	Oct. 2–Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1–31			Do.
Mechedisser	Jan. 1–28			Do.
Mohammerah	Jan. 1–28			Do.
Sultanabad	Oct. 1–31			Do.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Persia—Continued.				
Tabriz	Oct. 2-8			Present.
Trebizond	Jan. 16			Do.
Teheran	Sept. 18-Oct. 28		17	
Peru:				
Lima	Nov. 22-Dec. 31	11		Feb. 27, 1 case in the lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-Feb. 27	33	12	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-Mar. 13	34		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1-31	1		
Moscow	Nov. 20-Mar. 20	307	114	
Odessa	Oct. 4-Mar. 20	66	12	
Reval	Jan. 1-31	1		
Riga	Nov. 29-Mar. 20	17		
St. Petersburg	Nov. 15-Mar. 13	122	35	
Warsaw	Nov. 1-Jan. 16		55	
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala.
Servia:				
Belgrade	Dec. 6-12	2		
Siam:				
Bangkok	Nov. 1-30			Present.
Siberia:				
Vladivostok	Dec. 14-Feb. 14	2		
Southeast Africa:				
Lourenco Marquez	Jan. 1-31	1	1	
Spain:				
Almeria	Jan. 1-Feb. 28		3	Apr. 1-Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6-Mar. 29		48	
Cartagena	July 1-31		15	
Madrid	Nov. 1-Jan. 28		60	
Valencia	Nov. 29-Mar. 26	74	9	
Vigo	Nov. 30-Mar. 13		11	
Straits Settlements:				
Penang	Mar. 1-6	1		
Singapore	Dec. 28-Feb. 20		8	
Switzerland:				
Zurich	Feb. 21-27	3		
Tripoli:				
Tripoli	Feb. 13-Mar. 27	11	5	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bagdad	Feb. 13			Present.
Bassorah	Jan. 3-Mar. 6			Do.
Smyrna	Oct. 7-Feb. 26		64	
Turkey in Europe:				
Constantinople	Dec. 7-Mar. 28		63	
Trebizond	Feb. 7-20			Do.
Uruguay:				
Montevideo	Dec. 1-Jan. 31		2	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Mar. 20	181,918	69									1		3
Aguascalientes	Mar. 28	40,000	43	2					1		2			
Aix la Chapelle	Mar. 6	159,574	57	3							1		4	1
Alexandria	Feb. 25	388,083	271	16				1		4	1	1	10	
Antwerp	Mar. 13	323,921	86	4							1		2	
Asuncion	Feb. 6	75,000	21	1						2				
Do	Feb. 13	75,000	20							1				
Athens	Mar. 13	241,058	95	15									3	2
Bahia	Feb. 20	265,000	96	9	1		3	1						
Do	Feb. 27	265,000	84	11	1		3							
Baracoa	Mar. 27	27,000	4											
Barcelona	Mar. 15	600,000	390	15				3		1		5	1	2
Do	Mar. 22	600,000	410	20				4		3		8	1	2
Belfast	Mar. 13	386,576	155	23								1	1	3
Belgrade	Mar. 8	80,000								1		1		
Belize	Mar. 25	9,113	1											
Bergen	Mar. 19	87,749	29	3								3	1	
Berlin	Mar. 6	2,118,429	638	94							13	9	16	7
Birmingham	Mar. 20	558,336	271									2	46	2
Bluefields	Mar. 27	2,500	1											
Bombay	Mar. 9	977,822	839	51	197			19		2			3	
Bremen	Mar. 20	234,566	57	8							1			
Bristol	...do.....	377,642	149					1				1	3	4
Brussels	Mar. 12	704,975	239	26							2	1	1	1
Budapest	Mar. 13	804,200									3	2	1	
Cairo	Feb. 25	701,806	382	24				17	7	3		3	1	
Calcutta	Feb. 27	847,796	837	27	36	40		332					2	
Ceiba	Mar. 27	61,500	2											
Cienfuegos	Mar. 20	37,000	15											
Chemnitz	Mar. 13	271,811	70	11										
Christiania	...do.....	235,000	57							1				2
Coburg	...do.....	23,491	10	1										
Cologne	...do.....	468,386	195	19						1	7	11	3	
Colon	Mar. 21	16,000	10	2										
Copenhagen	Mar. 6	439,000	163	20							2	2	2	5
Dalny	...do.....	34,174	18	1										
Denia	Mar. 20	12,431	6											
Dresden	Mar. 6	546,100	140	18							1	4	2	2
Do	Mar. 13	546,100	160	17							1	6	2	1
Dundee	Mar. 20	169,409	77									2	1	5
Durban	Feb. 27	60,972	12	1										
East London	...do.....	49,253	6	1										
Edinburgh	Mar. 20	355,366	117	13							1	2		2
Erfurt	Mar. 13	107,712	48											
Fiume	Mar. 15	50,811	32	8										
Do	Mar. 21	50,811	29	7										
Flushing	Mar. 20	21,208	5											
Frontera	...do.....	9,000	3											
Do	Mar. 27	9,000	7											
Geneva	Mar. 6	118,500	48								3			
Georgetown	...do.....	56,000	58	3						1				
Do	Mar. 13	56,000	53	2										
Ghent	...do.....	164,579	74	4							1	1	1	
Gibraltar	Mar. 21	36,830	5	1										
Glasgow	Mar. 26	872,021	366							4	2	6		37
Gothenburg	Mar. 13	162,200	42	3						1		1		
Greenock	Mar. 20	72,300	36											1
Guadalajara	Mar. 25	125,000	96					5		1	2			
Guayaquil	Mar. 13	75,000	86	12	6		10							2
Halifax [a]	Feb. 20	40,787	14	2							1	2		
Do	Mar. 27	40,787	15	2							1			
Hamburg	Mar. 13	872,252	329	46							4	7	2	3
Do	Mar. 20	872,252	297	27							5	8	1	2
Hamilton	Mar. 29	20,206	4											
Havre	Mar. 6	132,430	71	10						1				1
Do	Mar. 13	132,430	66	11									1	
Hilo, Hawaii	...do.....	3,500	2											
Do	Mar. 20	3,500	5	2										
Hull	...do.....	275,552	114										6	1

[a] Reported out of date.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Kobe	Feb. 27	363,593	134									1		
Do	Mar. 6	363,593	173		1			1				1		
Do	Mar. 13	363,593	131							1		2		
Konigsberg	...do	237,600	104	19										1
Lausanne	Mar. 6	60,000	24											
Leeds	Mar. 20	484,012		17						1	1			5
Leipzig	Mar. 13	537,686	157	22						1	2	3	1	2
Leith	Mar. 20	85,721	35	1										1
Libau	Mar. 1	90,000								1		2		
Liege	Mar. 13	176,166	69	5										
Lisbon	Feb. 27	406,869	222	31								5		1
Liverpool	Mar. 20	760,357	402	30					1		7	4	30	6
London	...do	4,833,938	2,225	177				1		5	7	19	129	36
Lübeck	Mar. 13	97,000	27	3										
Lyon	Mar. 6	472,114	275	45						1		6		1
Do	Mar. 13	472,114	292	37						1	1	2	4	
Madras	Mar. 5	509,346	382			2		1					4	
Magdeburg	Mar. 6	250,879	100	15								3		
Managua	...do	22,278	13											1
Manaos	Mar. 13	54,000	29											
Manchester	Mar. 20	631,533	299	28						6	3	4	8	5
Mannheim	Mar. 6	179,000	40	7								1	3	3
Manzanillo	Mar. 27	1,700	2											
Mazatlan	Mar. 13	22,000	12											
Milan	Mar. 14	900,000	294	29						1	1	2	3	
Moncton, New Brunswick.	Mar. 27	13,500	4											
Monterey	Mar. 28	100,000	64	4				4	4		3			
Montreal	Mar. 27	378,856	140	17						2	3		5	1
Moscow	Mar. 6	1,335,104	804	104				4	7	2	19	11	20	3
Do	Mar. 13	1,335,104	877	110				13	17	2	20	14	22	6
Munich	Mar. 6	566,000	258	37							4	3	7	3
Nagasaki	Mar. 7	175,936	48											
Newcastle-on-Tyne	Mar. 20	281,584	110								1	3	8	1
Niuchwang	Feb. 27	60,000	9											
Do	Mar. 6	60,000	2											
Niagara Falls, Ont	Mar. 7	10,000	5	1										
Do	Mar. 14	10,000	3											
Do	Mar. 21	10,000	3											
Do	Mar. 31	10,000	3											
Nottingham	Mar. 13	260,000	107									1	8	3
Nuevo Laredo	Mar. 27	8,000	3											
Nuremberg	Mar. 6	316,180	100	21							2	2	2	1
Odessa	Mar. 13	520,000	180	24					2	2	7	3	1	1
Ottawa	...do	80,200	31											
Do	Mar. 20	80,200	29											
Do	Mar. 27	80,200	19											
Palermo	Mar. 6	330,000	158	6					1			1	1	
Do	Mar. 13	330,000	140	6					1		1	2	1	
Para	...do	185,000	96	9			5							
Do	Mar. 20	185,000	104	10			4							
Paris	Mar. 13	2,726,394	1,225	255						4	3	5	7	2
Do	Mar. 20	2,726,394	1,113	224						15	2	6	5	4
Penang	Feb. 27	102,520	68	20								1		
Plymouth	Mar. 20	124,180	48										6	
Port Elizabeth	Mar. 6	32,959	6	1										
Port of Spain	Feb. 20	60,000	26	3										
Do	Feb. 27	60,000	44	8						2				
Do	Mar. 6	60,000	38	8						1				
Prague	...do	229,577	130	37						2	1		1	
Do	Mar. 13	229,577	147	26							1	1		1
Progreso	Mar. 20	5,000	4											
Queenstown	...do	7,684	8											
Rangoon	Feb. 27	252,155	227	5	17	7		7						
Rotterdam	Mar. 20	412,905	159											
Do	Mar. 27	412,905	137					1				1		
Saigon	Feb. 13	208,000						1						
St. John, N. B	Mar. 27	40,711	15	1										
Do	Apr. 3	40,711	20	1										
St. Petersburg	Feb. 27	1,678,000	918	151		28		1		13	17	12	26	7
Do	Mar. 6	1,678,000	906	130		26		4	1	24	20	12	27	7

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Salford	Mar. 20	241,950	103								1	1	2	1
San Feliu de Guixols	do	11,094	10											
Santa Cruz de Teneriffe	Mar. 13	46,000	10	2										
Santiago de Cuba	Mar. 27	45,470	19	3						1				
Shanghai	Feb. 20	565,000	105	6				1						
Do	Feb. 27	565,000	132	16										
Singapore	Feb. 20	260,000	178	23		2		1		1				
Do	Feb. 27	260,000	161	30		1				1				
South Shields	Mar. 20	117,627	39	2									2	1
Stettin	Mar. 13	230,000	82	7								2	2	
Stockholm	Mar. 6	337,460	109	21								3		2
Sunderland	Mar. 20	159,137	65	6						1		1	18	
Tegucigalpa	Mar. 9	24,000	10											
Do	Mar. 16	24,000	3											
Tientsin	Feb. 13	1,000,000	6	1										
Do	Feb. 20	1,000,000	7	3										
Trieste	Mar. 13	215,250	114									2		
Valencia	Mar. 19	250,000	133	10				1		2				
Veracruz	Mar. 27	32,000	27	10				1						
Vevay	Mar. 6	14,500	3											
Victoria, B. C.	Mar. 27	35,000	6											
West Hartlepool	Mar. 20	66,750	25											
Winnipeg	Mar. 27	118,000	38	2										
Yokohama	Mar. 8	378,884								1		2		
Do	Mar. 15	378,884										1		

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended April 10, 1909.

Sick inspected	1
Plague	0
Dead inspected	90
Plague	0
Premises inspected	2,447
Necropsies held	2
Houses disinfected	42
Buildings condemned	7
Nuisances abated	271
Rats found dead	58
Rats trapped	2,258
Total rats taken	2,316
Rats identified:	
Mus norvegicus	1,586
Mus rattus	52
Mus musculus	634
Mus alexandrinus	15
Total	2,287
Rats identified as to sex:	
Male	736
Female	879
Total	1,615

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Ground squirrels trapped	10
Rats examined bacteriologically	1,488
Ground squirrels examined bacteriologically	10
Plague squirrels	0
Poisons placed	29,253

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.

Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended April 3, 1909.

Dead inspected	34
Plague	0
Premises inspected	1,240
Nuisances abated	213
Premises cleaned	214
Garbage cans installed	210
Rats found dead	18
Rats trapped	668
Rats identified	736
Mus norvegicus	671
Mus rattus	8
Mus musculus	50
Mus alexandrinus	7
Rats examined bacteriologically	684
Plague rats	0
Mice examined bacteriologically	50
Plague mice	0
Poisons placed	24,607

POINT RICHMOND, CAL.

Week ended April 3.

Premises inspected	490
Nuisances abated	32
Rats found dead	14
Rats trapped	21
Rats examined bacteriologically	21
Plague rats	0

ALAMEDA COUNTY, CAL.

Week ended April 3.

Sick inspected	2
Plague	0
Dead inspected	69
Plague	0
Necropsies held	3

CONTRA COSTA COUNTY, CAL.

Week ended April 3.

Dead inspected	2
Plague	0
Ground squirrels shot	24
Ground squirrels examined bacteriologically	24
Plague ground squirrels	0
Ranches inspected	50
Ranches found free of ground squirrels	22
Ranches poisoning ground squirrels	4

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Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson, plague laboratory, reports, April 6:

Animals examined in the laboratory in this city from March 29 to April 4, inclusive:

Ground squirrels	38
Gray rats	444
Black rats	43

None of these animals was found to be infected with plague.

Reports from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, April 5:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended April 3, 1909.

Plague-infected rats to date	21
Rats received	869
Rats necropsied	869
Plague rats found	0

Summary of plague laboratory work at Seattle during the month of March, 1909.

Assistant Surgeon Chapin, plague laboratory, reports, April 5, through Passed Assistant Surgeon Glover:

During the month of March, 1909, 3,616 rats were delivered at the laboratory and 3,563 were necropsied. No plague-infected rats were found. One hundred and fifty-four fleas were found upon 10 rats examined.

The last plague-infected rat was found September 26, 1908.

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

ALABAMA—*Birmingham.*—Month of March, 1909. Population, 1900, 38,415. Total number of deaths not reported. Deaths from contagious disease: Tuberculosis 15. Cases: Enteric fever 3, scarlet fever 8, diphtheria 4, tuberculosis 28, whooping cough 3, smallpox 10, and measles 3.

CALIFORNIA—*Los Angeles.*—Month of March, 1909. Estimated population, 275,000. Total number of deaths reported, 359, including diphtheria 1, enteric fever 5, smallpox 1, scarlet fever 1, whooping cough 1, and 71 from tuberculosis. Cases of contagious diseases reported: Diphtheria 20, enteric fever 20, scarlet fever 100, measles 25, smallpox 3, and tuberculosis 54.

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San Diego.—Month of March, 1909. Estimated population, 42,500. Total number of deaths, 62, including 11 from tuberculosis. Cases: Measles 3.

City and county of San Francisco.—Month of February, 1909. Estimated population, 475,000. Total number of deaths, 531, including enteric fever 3, measles 4, scarlet fever 1, whooping cough 3, diphtheria 6, and 65 from tuberculosis. Cases: Diphtheria 54, scarlet fever 25, smallpox 8, measles 348, whooping cough 20, enteric fever 6, and tuberculosis 112.

ILLINOIS—*Alton.*—Month of March, 1909. Estimated population, 22,000. Total number of deaths, 20, including 4 from tuberculosis. Cases: Diphtheria 1, and smallpox 1.

KANSAS.—Month of February, 1909. Estimated population, 1,470,495. Total number of deaths from contagious and infectious diseases, 109. Causes of death: Tuberculosis 73, enteric fever 13, diphtheria 15, scarlet fever 7, and 1 from measles. Cases: Tuberculosis 105, enteric fever 42, diphtheria 133, scarlet fever 231, smallpox 224, and measles 250.

MISSOURI—*St. Louis.*—Month of December, 1908. Estimated population, 735,000 (white, 688,000; colored, 47,000). Total number of deaths, 921 (white, 815; colored, 106), including diphtheria 18, measles 25, enteric fever 3, scarlet fever 2, whooping cough 2, and 116 from pulmonary tuberculosis. Cases of contagious diseases reported: Diphtheria 185, enteric fever 14, measles 977, scarlet fever 91, whooping cough 21, smallpox 6, and tuberculosis 186.

Springfield.—Month of March, 1909. Estimated population, 35,000. Total number of deaths, 41, including 4 from tuberculosis. Cases: Scarlet fever 6.

MONTANA.—Month of December, 1908. Estimated population, 280,000. Reports to the state board of health show as follows: Total number of deaths, 321, including diphtheria 3, enteric fever 8, scarlet fever 10, whooping cough 2, and 22 from tuberculosis. Cases: Diphtheria 75, enteric fever 35, measles 70, scarlet fever 149, and smallpox 62.

NEBRASKA—*Lincoln.*—Month of March, 1909. Estimated population, 60,000. Total number of deaths, 41, including whooping cough 1, enteric fever 2, and 4 from tuberculosis. Cases: Diphtheria 3, scarlet fever 8, measles 73, and smallpox 12.

NEW HAMPSHIRE—*Concord.*—Annual report for the year 1908. Estimated population, 20,000. Total number of deaths, 428, corresponding to an annual death rate of 15.25 per 1,000 of population, including diphtheria 4, enteric fever 1, and 26 from tuberculosis. Cases: Diphtheria 44, scarlet fever 7, enteric fever 6, and measles 100.

Month of March, 1909. Total number of deaths, 45, including diphtheria 1, enteric fever 1, and tuberculosis (pulmonary) 4. Cases: Enteric fever 2, scarlet fever 3, diphtheria 10, and measles 201.

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NEW YORK STATE.—Month of February, 1909. Estimated population, 8,699,643. Total number of deaths, 11,006, including enteric fever 74, smallpox 1, measles 112, scarlet fever 116, whooping cough 43, diphtheria 238, and 1,329 from tuberculosis. Cases: Tuberculosis 2,352, diphtheria 2,032, scarlet fever 2,517, measles 4,761, smallpox 72, and enteric fever 341.

Auburn.—Month of March, 1909. Estimated population, 40,000. Total number of deaths, 52, including enteric fever 1, and 5 from tuberculosis. Cases of contagious diseases reported: Diphtheria 2, enteric fever 2, measles 2, whooping cough 2, phthisis pulmonalis 6.

PENNSYLVANIA—*Pittsburg.*—Month of December, 1908. Estimated population, 565,000. Total number of deaths, 663, including diphtheria 8, scarlet fever 7, measles 4, whooping cough 2, enteric fever 20, and 41 from tuberculosis. Cases: Diphtheria 75, scarlet fever 130, enteric fever 89, tuberculosis 105, whooping cough 52, smallpox 1, and measles 122. Total deaths correspond to an annual death rate of 14.08 per 1,000 of population.

Scranton.—Month of November, 1908. Estimated population, 127,000. Total number of deaths, 126, including measles 1, scarlet fever 14, diphtheria 4, and 12 from tuberculosis. Cases: Diphtheria 48, scarlet fever 64, measles 29, enteric fever 9, and tuberculosis 3.

Month of December, 1908. Total number of deaths, 127, including enteric fever 1, measles 2, scarlet fever 13, whooping cough 1, diphtheria 6, and 11 from tuberculosis. Cases: Scarlet fever 52, diphtheria 28, measles 76, enteric fever 8, whooping cough 2, and tuberculosis 3.

Month of January, 1909. Total number of deaths, 163, including measles 1, scarlet fever 11, diphtheria 7, and 13 from tuberculosis. Cases: Diphtheria 44, scarlet fever 49, measles 52, enteric fever 5, and tuberculosis 5.

Month of February, 1909. Total number of deaths, 146, including enteric fever 1, measles 1, scarlet fever 8, whooping cough 1, diphtheria 3, and 6 from tuberculosis. Cases: Diphtheria 30, scarlet fever 44, measles 91, enteric fever 6, whooping cough 2, and tuberculosis 5.

TENNESSEE—*Nashville.*—Month of March, 1909. Estimated population, 127,723. Total number of deaths, 167, including enteric fever 1, whooping cough 1, and 27 from tuberculosis. Cases: Scarlet fever 2, smallpox 17, enteric fever 6, diphtheria 7, and 12 from pulmonary tuberculosis.

VIRGINIA—*Richmond.*—Month of March, 1909. Estimated population, 115,701—white, 73,204; colored, 42,497. Total number of deaths, 238—white, 110; colored, 128—including enteric fever 2, smallpox 1, diphtheria 1, and 34 from tuberculosis. Cases: Diphtheria 8, enteric fever 16, measles 3, smallpox 1, and whooping cough 7.

WASHINGTON—*Seattle.*—Month of February, 1909. Estimated population, 276,000. Total number of deaths, 163, including scarlet

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fever 2, diphtheria 1, and 14 from tuberculosis. Cases: Diphtheria 29, scarlet fever 22, smallpox 3, measles 43, enteric fever 9, and tuberculosis 12.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to April 23, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Autauga County	Feb. 27–Apr. 5	11	.....	
Prattville	Feb. 27–Apr. 5	3	.....	
Jefferson County—				
Birmingham	Mar. 1–31	10	.....	
Mobile County—				
Mobile	Jan. 12–Feb. 6	7	.....	
Montgomery County—				
Montgomery	Mar. 13–Apr. 2	.....	2	
Tuscaloosa County	.....	86	.....	Year 1908.
Total for State	.....	117	2	
Arkansas:				
Allbrook	Jan. 1–Mar. 25	40	.....	
Bethel	Jan. 25	3	.....	
Jonesboro	Jan. 20–Mar. 1	20	.....	
Little Rock	Dec. 15–Jan. 2	23	.....	
Magnolia	Jan. 5–13	25	.....	
Paragould	Feb. 1–Mar. 9	27	.....	
Texarkana	Nov. 26–Jan. 11	10	.....	
Total for State	.....	148	.....	
California, general	Nov. 1–Feb. 28	.....	4	
Los Angeles	Dec. 6–Apr. 3	19	1	
Oakland	Nov. 1–Mar. 21	14	.....	
Sacramento	Nov. 1–Mar. 27	54	.....	
San Francisco	Dec. 13–Mar. 27	30	.....	
Stockton	Nov. 1–30	12	.....	
Total for State	.....	129	5	
Colorado, general	July 1–Feb. 23	109	.....	
District of Columbia:				
Washington	Dec. 28–Apr. 3	9	.....	
Total for District	.....	9	.....	
Georgia:				
Bibb County—				
Macon	Mar. 14–Apr. 11	9	.....	
Cobb County	Jan. 16–Feb. 7	8	.....	
Paulding County	Jan. 16–Feb. 7	15	.....	
Total for State	.....	32	.....	
Illinois:				
Alexander County—				
Cairo	Jan. 7–Feb. 27	211	.....	
Thebes	Jan. 1–31	2	.....	
Bureau County—				
Ladd	Nov. 1–30	4	.....	
Christian County—				
Taylorville	Aug. 1–Jan. 20	40	.....	
Clinton County—				
Carlyle	Jan. 1–31	1	.....	
Coles County—				
Charleston	Jan. 1–30	1	.....	
Cook County—				
Chicago	Jan. 3–Apr. 3	10	.....	
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15	.....	
Fulton County—				
Canton	Jan. 1–Feb. 28	55	.....	
Cuba	Jan. 1–31	1	.....	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Lewiston	Jan. 1-31	6		
Jackson County—				
Murphysboro	Jan. 1-31	45	1	
Jasper County	Jan. 1-31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1-31	1		
Jo Daviess County—				
Galena	Jan. 1-31	3		
Kane County—				
St. Charles	Jan. 1-31	1		
Kankakee County—				
Grant Park	Jan. 1-31	1		
Knox County—				
Galesburg	Feb. 14-Apr. 11	6		
Lake County—				
Waukegan	Feb. 2-26	3		
McLean County—				
Bloomington	Jan. 1-31	5		
Macon County—				
Decatur	Jan. 1-31	8		
Macoupin County—				
Benld	Feb. 15-18	2		
Palmyra	Dec. 25-Jan. 20	4		
Scottsville	Dec. 25-Jan. 20	12		
Madison County—				
Alton	Mar. 1-31	1		
Marion County—				
Centralia	July 1-Jan. 20	53		
Odin	Jan. 1-31	1		
Sandoval	Jan. 1-31	1		
Mason County	Jan. 1-31			Present in Havana and Quiver townships.
Massac County—				
Metropolis	Jan. 1-31	1		
Mercer County	Jan. 1-31	1		In North Henderson township.
Montgomery County	Jan. 1-31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5-11	1		
Peoria County—				
Peoria	Dec. 20-Apr. 3	43		Present in Glasford and in Timber and Trivoli townships.
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-31	3		
Mounds City	Jan. 1-31	7		
Randolph County—				
Percy	Jan. 1-31	1		
St. Clair County—				
Belleville	Dec. 4-20	3		Present in January.
Mascoutah	Jan. 1-31	1		
Millstadt		1		
Saline County—				
Eldorado	Jan. 1-31	1		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Springfield	Mar. 20-Apr. 9	6		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Tazewell County	Jan. 1-31			Present in Elm Grove township.
Pekin	Jan. 1-31	28		
Vermilion County—				
Danville	Jan. 11-Apr. 11	31		
Williamson County—				
Carterville	Jan. 1-31	2		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-31	6		
Total for State		715	1	
Indiana:				
Allen County	Dec. 1-31	1		
Fort Wayne	Jan. 10-Apr. 13	5		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Dec. 31	4		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-31	26		
Clay County	Oct. 1-31	8		
Dearborn County	Oct. 1-31	1		
Delaware County	Dec. 1-31	52		
Muncie	Mar. 27	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Elkhart County	[illegible]	[illegible]	[illegible]	
Elkhart	Jan. [illegible]	[illegible]		
Franklin County	Dec. [illegible]	[illegible]	[illegible]	
Gibson County	Dec. [illegible]	[illegible]		
Grant County	Dec. [illegible]	[illegible]		
Union	[illegible]	[illegible]	[illegible]	
Hamilton County	Dec. [illegible]			
Harrison County	Dec. [illegible]	[illegible]	[illegible]	
Hendricks County	Nov. [illegible]	[illegible]	[illegible]	
Madison County	Dec. [illegible]	[illegible]		
Anderson	Dec. [illegible]			
Marion County	Dec. [illegible]			
Indianapolis	Jan. [illegible]	[illegible]		
Miami County	Dec. [illegible]			
Rush County	Dec. [illegible]	[illegible]		
Shelby County	Dec. [illegible]	[illegible]		
Spencer County	Dec. [illegible]			
St. Joseph County	Dec. [illegible]	[illegible]		
South Bend	Mar. [illegible]	[illegible]		
Sullivan County	Oct. [illegible]	[illegible]		
Tippecanoe County	Oct. [illegible]	[illegible]		
Lafayette	Dec. [illegible]	[illegible]	[illegible]	
Tipton County	Nov. [illegible]	[illegible]		
Vanderburg County—				
Evansville	Jan. [illegible]	[illegible]		
Vigo County	Oct. [illegible]	[illegible]		
Wabash County	Nov. [illegible]	[illegible]		
Warren County	Dec. [illegible]	[illegible]		
Wayne County	Nov. [illegible]	[illegible]		
Total for State		[illegible]	[illegible]	
Iowa, general	July [illegible]		[illegible]	
Burlington	Jan. [illegible]	[illegible]		
Cedar Rapids	Mar. [illegible]	[illegible]		
Council Bluffs	July [illegible]	[illegible]	[illegible]	
Dubuque	Oct. [illegible]	[illegible]	[illegible]	
New Hampton	Feb. [illegible]	[illegible]		
Total for State		[illegible]	[illegible]	
Kansas:				
Allen County	Jan. [illegible]	[illegible]		
Atchison County—				
Atchison	Dec. [illegible]	[illegible]		
Barton County	Nov. [illegible]	[illegible]		
Bourbon County	Nov. [illegible]	[illegible]		
Brown County	Nov. [illegible]	[illegible]		
Cherokee County	Jan. [illegible]	[illegible]		
Crawford County	Jan. [illegible]	[illegible]		
Pittsburg	Nov. [illegible]	[illegible]		
Decatur County	Jan. [illegible]	[illegible]		
Ford County	Jan. [illegible]	[illegible]		
Franklin County	Dec. [illegible]	[illegible]		
Harvey County	Nov. [illegible]	[illegible]		
Jackson County	Nov. [illegible]	[illegible]		
Jefferson County	Dec. [illegible]	[illegible]		
Jewell County	Dec. [illegible]	[illegible]		
Lacerta County—				
Parsons	Jan. [illegible]	[illegible]		
Bone County	Jan. [illegible]	[illegible]		
McPherson County	Jan. [illegible]	[illegible]		
Marshall County	Jan. [illegible]	[illegible]		
Montgomery County	Nov. [illegible]	[illegible]		
Nemaha County	Dec. [illegible]	[illegible]		
Phillips County	Dec. [illegible]	[illegible]		
Pottawatomie County	Nov. [illegible]	[illegible]		
Pratt County	Dec. [illegible]	[illegible]		
Reno County	Nov. [illegible]	[illegible]	[illegible]	
Riley County	Nov. [illegible]	[illegible]		
Rooks County	Jan. [illegible]	[illegible]		
Saline County	Nov. [illegible]	[illegible]		
Sedgwick County—				
Wichita	Mar. [illegible]	[illegible]		
Shawnee County	Nov. [illegible]	[illegible]		
Topeka	June [illegible]	[illegible]		
Sheridan County	Dec. [illegible]	[illegible]		
Stafford County	Dec. [illegible]	[illegible]		
Sumner County	Nov. [illegible]	[illegible]		
Thomas County	Jan. [illegible]	[illegible]		
Wallace County	Jan. [illegible]	[illegible]		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Waubaunsee County	Jan. 1-31	3		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-Apr. 10	37		
Total for State		704	1	
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Berea	Feb. 1-Apr. 2	20		
Covington	Dec. 29-Apr. 10	33		
Fulton	Feb. 1-Mar. 22	27		
Georgetown	Dec. 2-Mar. 4	31		
Henderson		7		Jan. 1-June 30, 1908.
Lexington	Dec. 28-Apr. 10	42		
Newport	July 1-Apr. 10	68	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24-Apr. 3	44		
Total for State		472	2	
Louisiana:				
Alexandria	Feb. 1-28	9		
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20-Apr. 10	32		Mainly imported.
Shreveport	Jan. 1-20	32	1	
Winnfield	Jan. 1-Mar. 24	33		And vicinity.
Total for State		136	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-Feb. 6	94		
Total for State		145		
Maryland:				
Baltimore	Jan. 30-Feb. 6	1		
Total for State		1		
Massachusetts:				
Boston	Mar. 14-20	2		
Haverhill	Mar. 14-20	1		
Lawrence	Mar. 7-13	1		
New Bedford	Jan. 30-Mar. 13	3	1	
Taunton	Jan. 3-9	1		
Total for State		8	1	
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31			
Ingham County—				
Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County—				
Grand Rapids	Jan. 24-Feb. 20	2		
Lapeer County	Dec. 1-31	2		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-Apr. 10	15		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Mar. 27	7		
Wexford County	Dec. 1-31	2		
Total for State		83		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 20-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Apr. 10	95		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicolett County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Oct. 6-Dec. 13	57		
Renville County	Dec. 1-7	1		
St. Louis County—				
Duluth	Nov. 9-Apr. 15	13		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Saseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-30	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-Feb. 28	8		
Yellow Medicine County	Oct. 20-26	1		
Total for State		324		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-Mar. 20	12		
Liberty	Jan. 15-Mar. 11	20		
Rich Hill	Dec. 5-31	4		
St. Joseph	Dec. 1-31	1		
St. Louis	Dec. 20-Apr. 10	26		
Springfield	Nov. 1-Feb. 28	3		
Total for State		66		
Montana:				
Beaverhead County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cascade County	Nov. 1-Jan. 31	6		
Chouteau County	Jan. 1-Feb. 28	4		
Dawson County	Dec. 31-Jan. 31	20		
Fergus County	Dec. 31-Feb. 28	30		
Flathead County	Nov. 1-30	1		
Gallatin County	Nov. 1-Jan. 31	19		
Bozeman	Nov. 1-Feb. 28	19	1	
Granite County	Jan. 1-31	4		
Jefferson County	Nov. 1-30	4		
Madison County	Dec. 1-31	2		
Missoula County	Jan. 1-31	12		
Missoula	Jan. 1-Feb. 28	5		
Park County	Jan. 1-31	6		
Powell County	Jan. 1-Feb. 28	15		
Ravalli County	Nov. 1-Dec. 31	14		
Sanders County	Jan. 1-Feb. 28	11		
Silverbow County	Nov. 1-Feb. 28	14		
Butte	Mar. 16-Apr. 6	33		
Yellowstone County	Nov. 1-30	1		
Billings	Jan. 1-31	1		
Total for State		224	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1–Mar. 31	22		
South Omaha	Dec. 20–Apr. 10	14		
Total for State		37		
New Hampshire:				
Hinsdale	Nov. 1–Dec. 15	6		
West Chesterfield	Nov. 1–Dec. 15	1		
West Lebanon	Jan. 15–Feb. 7	2		
Westmoreland	Nov. 1–Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21–Apr. 17	11		
Hightstown	Mar. 3	1		
Lodi	Apr. 15	1		
New Brunswick	Mar. 7–Apr. 5	7		
Paterson	Mar. 16–Apr. 2	8		
Perth Amboy	Mar. 4–31	26		
Plainfield	Mar. 7–Apr. 10	6		
Woodbridge	Mar. 6–26	1		
Total for State		61		
New York, general	Nov. 1–Feb. 28	201	1	Including Amsterdam, Bridgeport, Broome, Cicero, Gardiner, and Middleburg.
Buffalo	Feb. 14–Mar. 20	4		
Mohawk Valley			1	Year 1908.
New York	Feb. 21–Apr. 3	6	1	
Niagara Falls	Feb. 7–13	1		
Rome	Jan. 1–31	1		
Schenectady	Feb. 7–13	1		
Syracuse	Jan. 9–31	3		
Total for State		217	3	
North Carolina:				
Ashe County	Jan. 1–31	7		
Bertie County	Nov. 1–30	1		
Camden County	Jan. 1–31	30		
Catawba County	Nov. 1–Dec. 31	4		
Currituck County	Nov. 1–Jan. 31	34		
Duplin County	Dec. 1–Jan. 31	60		
Edgecombe County	Dec. 1–31	1		
Johnston County	Nov. 1–Jan. 31	13		
Jones County	Jan. 1–31	3		
Lenoir County	Dec. 1–31	20		
Lincoln County	Dec. 1–31	1		
Madison County	Jan. 1–31	2		
Nash County	Jan. 1–31	1		
New Hanover County—Wilmington	Jan. 22–Mar. 1	4		Imported.
Pasquotank County	Nov. 1–Jan. 31	79		
Pitt County	Jan. 1–31	2		
Sampson County	Jan. 1–31	22		
Scotland County	Jan. 1–31	6		
Wayne County	Jan. 1–31	20		
Total for State		310		
North Dakota	July 1–Feb. 19	168		
Ward County	Jan. 12–Mar. 31	27		
Sherwood	Jan. 12–Mar. 31	46		
Total for State		241		
Ohio, general	June 14–Jan. 2	337		
Cincinnati	Dec. 12–Apr. 16	204	1	
Cleveland	Feb. 28–Apr. 2	4		
Columbus	Dec. 26–Mar. 2	14		Revised. 3 cases additional in Sept. and Oct.
Dayton	Jan. 24–Feb. 20	5		
Newark		3		Year 1908.
Tiffin	Jan. 3–23	2		
Total for State		569	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Date.	Remarks.
Oregon:				
Clackamas County	Sept. 1-30	1		
Harney County	Sept. 1-30	1		
Jackson County	Oct. 1-Dec. 31	9		
Lane County	Dec. 1-31	10		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Dec. 31	4		
Multnomah County	Dec. 1-31	5		
Portland	Nov. 1-Feb. 28	91		
Polk County	Sept. 1-Dec. 31	9		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-Dec. 31	6		
Wallowa County	Oct. 1-31	1		
Washington County	Oct. 1-Dec. 31	23		
Yamhill County	Sept. 1-Dec. 31	17		
Total for State		183		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Castle	Feb. 1-28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 10-25	1		
Pittsburg	Dec. 13-19	1		Imported.
Prompton	Jan. 2-Feb. 10	3		
Total for State		11		
South Carolina:				
Winnsboro	Feb. 1-28	5		
Total for State		5		
South Dakota:				
Aberdeen	May 1-Jan. 31	43		
Total for State		43		
Tennessee:				
Fayette County	Dec. 1-Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28-Apr. 3	21		
Memphis	Jan. 1-Mar. 13	190	1	
Murfreesboro	Mar. 15-31	1		
Nashville	Dec. 20-Mar. 27	42		
Polk County	Jan. 22	30		
Total for State		587	1	
Texas:				
Corpus Christi	Apr. 2			Present.
Cost	Oct. 1-Dec. 19			Do.
Cotulla	Jan. 25-Feb. 17			Do.
Denton County	Jan. 1-Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10-Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		56		Year 1908.
Do	Feb. 1-Mar. 31	13		
Galveston	Mar. 6-Apr. 9	5		
Goliad County	Dec. 1-Jan. 20	25		
Houston	Jan. 1-Mar. 27	9		
Laredo	Dec. 26-Mar. 19	6		
Monthalia	Oct. 1-Dec. 19			Present.
Oak Forest	Oct. 1-Dec. 19			Do.
San Antonio	Dec. 13-Apr. 10	84		
San Augustine County	Jan. 5			Do.
Total for State		427	1	
Utah:				
Beaver County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cache County	Jan. 1-Feb. 28	62		
Davis County	Nov. 1-Feb. 28	32		
Emery County	Feb. 1-28	4		
Garfield County	Dec. 1-Feb. 28	26		
Millard County	Jan. 1-31	1		
Salt Lake County	Dec. 1-Feb. 28	162		
Salt Lake City	Dec. 1-Feb. 28	272	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Utah—Continued.				
Sanpete County	Dec. 1-31	1		
Sevier County	Jan. 1-Feb. 28	76		
Summit County	Dec. 1-Feb. 28	32		
Utah County	Dec. 1-31	1		
Weber County	Nov. 1-Feb. 28	6		
Total for State		678	1	
Vermont:				
Brattleboro	Dec. 5-Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor township	Jan. 23	2		
White River Junction	Jan. 4-Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lynchburg	Jan. 10-30	3		Imported.
Norfolk	Feb. 5-17	3		On tug E. W. Marts.
Port Royal	Dec. 28-Jan. 14	3		
Richmond	Mar. 14-Apr. 10	2	1	Death in county hospital.
Total for State		12	1	
Washington:				
Bellingham	Jan. 25-Mar. 23	10		
Camas	Dec. 29-Mar. 8	18		
Seattle	Oct. 1-Feb. 28	18		
Spokane	Dec. 6-Apr. 3	16	1	
Tacoma	Dec. 14-Mar. 14	60		
Total for State		122	1	
West Virginia:				
Charleston	Jan. 1-31	1		
Moundsville				Present in January.
St. Albans	Feb. 16-Apr. 12	19		
Weston	Jan. 15-Feb. 13	1		
Total for State		21		
Wisconsin:				
Adams County	July 1-Sept. 30	3		
Barron County	July 1-Sept. 30	1		
Chippewa County	July 1-Sept. 30	6		
Dane County	July 1-Sept. 30	1		
Dodge County	July 1-Sept. 30	1		
Douglas County	July 1-Sept. 30	28		
Dunn County	July 1-Sept. 30	1		
Fond du Lac County	July 1-Sept. 30	3		
Green County	July 1-Spet. 30	2		
Iron County	July 1-Sept. 30	2		
Kewaunee County	July 1-Sept. 30	1		
La Crosse County— La Crosse	Dec. 13-Apr. 10	44		
Manitowoc County— Manitowoc	Dec. 13-Feb. 27	14		
Marathon County	July 1-Sept. 30	2		
Milwaukee County— Milwaukee	Dec. 6-Apr. 10	176		
Monroe County	July 1-Sept. 30	12		
Outagamie County— Appleton	Mar. 6-20	2		
Ozaukee County	July 1-Sept. 30	3		
Pierce County	July 1-Sept. 30	4		
Polk County	July 1-Sept. 30	1		
Racine County— Racine	Mar. 21-Apr. 10	6		
Rusk County	July 1-Sept. 30	3		
Sheboygan County	July 1-Sept. 30	32		
Total for State		348		
Grand total for the United States		8,014	29	

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Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Allentown, Pa	Apr. 3	35,416	13		1	1		5		2					
Do	Apr. 10	35,416	8		1	2	1	8		1					
Altoona, Pa	do	38,973	15		3			5							
Ann Arbor, Mich	do	14,509	13	3	2			2				4		1	
Ashtabula, Ohio	do	12,949	6					1							
Auburn, N. Y	Mar. 20	30,345	18									2			
Do	Mar. 27	30,345	6	3	1										
Do	Apr. 3	30,345	8		2			1							
Baltimore, Md	Apr. 10	508,957	241	14	42	6		17		14	1	164	1	11	2
Bath, Me	do	10,477						3							
Bayonne, N. J	do	32,722						2		2		12			
Beaver Falls, Pa	do	13,000						3							
Berkeley, Cal	Apr. 3	13,214	9		2							2			
Biddeford, Me	Apr. 10	16,145	18	3	3										
Biloxi, Miss	do	5,467	5			1	1							3	
Binghamton, N. Y	Apr. 3	38,647	17		6										
Do	Apr. 10	38,647	17		4		1				1		1		
Boston, Mass	do	560,892	290	66	27	5	2	44	3	57	1	79	2	17	2
Braddock, Pa	Apr. 3	15,654	8				1								
Do	Apr. 10	15,654	3			2				2	1				
Bradford, Pa	do	15,029	7					7							
Bristol, R. I	do	6,901	4							1		1		3	
Brockton, Mass	do	40,063	13	2						1		145	1	1	1
Butte, Mont	Apr. 6	30,470	14			1	1	5	4	2					
Cambridge, Mass	Apr. 10	91,886	28	10	2			7		3		18		5	
Camden, N. J	do	75,935	32			1		7		9		2			
Carbondale, Pa	Apr. 3	13,536	4					2							
Do	Apr. 10	13,536	3							1	1				
Charlotte, N. C	Apr. 9	18,091	12		2							4		3	
Chelsea, Mass	Apr. 10	34,072	11	1		1		1				3			
Chicago, Ill	do	1,698,575	667	76	83	43	8	150	3	158	20	211	2	28	3
Chicopee, Mass	do	19,167	13		2			1							
Cincinnati, Ohio	Apr. 9	325,902	141	18	25	2	2	13		4	1	6			
Cleveland, Ohio	do	381,768	167	16	13	8		9	1	12		38	1	24	1
Clinton, Mass	Apr. 10	13,667	5	1		1		2							
Columbus, Ga	do	17,614	2												
Columbus, Ohio	do	125,560	54	8	6	2	1	4		3		16		1	
Concord, N. H	Apr. 3	19,632	4	1	1	1						155			
Council Bluffs, Iowa	Apr. 5	25,802	8												
Do	Apr. 12	25,802	6							1		1			
Covington, Ky	Apr. 10	42,938	18		5			1							
Davenport, Iowa	Apr. 4	35,254		1								4		2	
Do	Apr. 11	35,254		2	1					1		1			
Dayton, Ohio	Apr. 10	85,333	31		3			2		1		6			
Detroit, Mich	do	285,704	141					10	1	6	2				
Duluth, Minn	Apr. 8	80,000	19	2	2		1	9	1	4	1	7			
Dunkirk, N. Y	Apr. 10	11,616	6	1	1										
Elmira, N. Y	do	35,672	12	6	1			4		1		2			
Elkhart, Ind	do	15,184	8	2	2	2	2			1		6			
Erie, Pa	Apr. 3	52,733		2				2				8		12	
Do	Apr. 10	52,733	25	5	4			1		3		26		7	
Evansville, Ind	do	59,007	26	4	4	3	2								
Everett, Mass	do	24,336	11		3			2		1					
Fall River, Mass	do	104,863	48	2	3			4		1		1		3	
Findlay, Ohio	do	17,613	4		1			2							
Galesburg, Ill	do	18,607	6					1		1					
Glens Falls, N. Y	do	13,543	4		1							25			
Gloucester, Mass	do	26,121	8												
Grand Rapids, Mich	do	87,565	22	1	1	2	1	16				7		8	
Great Falls, Mont	Apr. 3	14,930	7			1		7	2	2					
Greensboro, N. C	Apr. 10	10,035	1	2		1									
Greenville, S. C	do	11,860	2												
Harrison, N. J	do	10,596	3	2	2										
Hartford, Conn	Apr. 4	79,850	24	2	3			2		4		1			
Haverhill, Mass	Apr. 10	37,175	12		1			2		6	1	1			
Hyde Park, Mass	Mar. 20	13,244	5	2		1		1							
Do	Apr. 10	13,244	3					1				3			

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Homestead, Pa.[a]	Mar. 31	12,554	10					2				11			
Do	Apr. 7	12,554	9	1	1			3				9	1		
Indianapolis, Ind	Apr. 11	169,164	82	3	10	3		3	1	4		36			1
Jacksonville, Fla	Apr. 10	28,429	22	1	3					3					
Johnstown, Pa	do	35,936	23		2		1	18	1			3			
Kansas City, Kans	do	51,418	15		2	4	4	1		1		8			
Kansas City, Mo	Apr. 3	163,752	83		9	2	1	3	1	2		15			
Do	Apr. 10	163,752	72	6	4	11	3	14	2	5	1	18			
Kearney, N. J	do	10,896	3	2	3			2		2				1	
Kingston, N. Y	do	24,535	10		1						1				
Knoxville, Tenn	do	32,637	17	4	4			2				10			
La Crosse, Wis	do	28,895	10		1			2							
Lafayette, Ind	Apr. 12	18,116	8	1						1		2			
Lancaster, Pa	Apr. 10	41,459	13	24	2			3							
Lawrence, Mass	do	62,559	26	4	3	1				2		35			
Lebanon, Pa	do	17,628	7	1	1			1		2				4	
Lexington, Ky	do	26,369	10		3									3	
Los Angeles, Cal	Apr. 3	102,479	90	13	15	6	1	20		4		3			
Lowell, Mass	Apr. 10	94,969	34	1	2	2		2		2		1			
Lynchburg, Va	do	18,891		1						1					
Macon, Ga	Apr. 11	22,746	6			1									
Malden, Mass	Apr. 3	33,664	17	3	1			7		3		7		1	
Do	Apr. 10	33,664	14	2				1		3		3		2	
Manchester, N. H	do	56,987	31	1	1	5	2			6	2	1			
Manitowoc, Wis	do	11,786	2					2		1		10			
Mansfield, Ohio	Mar. 13	17,650										2			
Do	Mar. 20	17,650										1			
Do	Apr. 10	17,650						2		3					
Marinette, Wis	do	16,195	2												
Marlboro, Mass	do	13,609	6									1		3	
Massillon, Ohio	do	11,944	2												
Medford, Mass	do	18,244	6	3						1		2			
Melrose, Mass	Apr. 3	12,962	3					4				1		8	
Do	Apr. 10	12,962	6	3				2						9	
Milwaukee, Wis	Mar. 20	285,315	88	10	8	15	2	29	1	14	1	108	2	2	1
Do	Mar. 27	285,315	105	13	9	6	1	23	1	6	1	60	9	3	1
Do	Apr. 3	285,315	87	9	8	5	2	19	1	33	1	70	4	1	2
Mobile, Ala	do	38,469	22		5	1	1								
Montclair, N. J	Apr. 10	13,962	5	3								10		3	
Montgomery, Ala	Apr. 9	30,346	18		2										
Moline, Ill	Apr. 11	17,248	6			2		5	3			25			
Morristown, N. J	Apr. 10	13,000	2							1		1			
Mount Vernon, N. Y	do	21,228	2	1		1		2		1		3			
Muncie, Ind	do	20,942	7			1	1								
Nanticoke, Pa	Apr. 11	12,616	3	1								17	1		
Nashville, Tenn	Apr. 10	80,865	42	1	4	1		5							
Nebraska City, Nebr	do	7,200	2					1							
Newark, N. J	do	246,070	130		19	4		42	1	15	2				
New Bedford, Mass	do	63,442	33	3	2	1	1	6							
Newburyport, Mass	do	14,478	3												
New London, Conn	do	17,548	9		1										
Newton, Mass	do	33,587	12					4		2		27			
New York, N. Y	do	3,437,202	1,690	683	196	15		353	23	309	49	953	32	42	6
Niagara Falls, N. Y	do	19,457	9	11	3	6		2		1		1			
Norristown, Pa	do	22,265	9	10		2						13			
North Adams, Mass	do	24,200	10		1							1			
Northampton, Mass	do	18,643	7			1						9			
Orange, N. J	do	24,141	10	3	3			8		1		1			
Paducah, Ky	Apr. 3	19,446	5	2	1										
Do	Apr. 10	19,446	10	5	3	1	1								
Passaic, N. J	Mar. 20	27,777	14	1				2		1		7		1	
Do	Apr. 10	27,777	17					1		1		9		2	
Peekskill, N. Y	do	10,358	4	1	2					1					
Philadelphia, Pa	Apr. 3	1,293,697	523	127	67	35	10	46	2	81	17	204	10	24	5
Do	Apr. 10	1,293,697	553	125	70	29	3	70	3	74	16	173	19	17	4
Pittsburg, Pa	Apr. 3	321,616	151	41	11	13		21	4	5	1	23		16	2
Pittsfield, Mass	Apr. 10	21,766	7	1											
Plymouth, Pa	do	13,649						1		2		5			
Port Huron, Mich	Apr. 3	19,158	3					3		1					
Do	Apr. 10	19,158	6												

[a] Report covers 10 days.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Portsmouth, Va	Apr. 13	17,427	9		2			4				1			
Portsmouth, N. H	Apr. 10	10,637						1							
Pottstown, Pa	...do	13,696	4			1	1	1				1			
Providence, R. I	...do	175,597	73	17	14	1		7		10	3	1			1
Racine, Wis	...do	29,102	3												
Reading, Pa	Apr. 12	78,961	33	3	1	3		3		2	1	1		2	
Richmond, Va	Apr. 10	85,050	53	5	6			1		2		2		1	
Rock Island, Ill	...do	19,493	8		2										
Sacramento, Cal	Apr. 3	29,282	8		1		1	1						1	
Saginaw, Mich	...do	42,345	15			2	1	2		3	1	2			
San Antonio, Tex	Apr. 10	53,321				1						2			
Sandusky, Ohio	Mar. 27	19,664	8			1		1				1			
San Francisco, Cal	Apr. 3	342,782	115	49	17	4		17	2	11	1	81		4	1
San Jose, Cal	...do	21,500	7		1										
Schenectady, N. Y	Apr. 10	31,682	22	1	3			2		1	1				
Shamokin, Pa	Apr. 3	18,202	6					6	1			26			
Do	Apr. 10	18,202	4	1				1				33			
South Bend, Ind	...do	35,999	15	1	1			5		3					
South Bethlehem, Pa	...do	13,241	7	1	6										
South Omaha, Nebr	...do	26,001								1	1				
Spokane, Wash	Mar. 27	38,848	29		1			15	1	3		39			
Springfield, Mass	Apr. 10	62,059	27	5	2			3	1	3	1	5		2	
Springfield, Ohio	...do	38,253	11	4	1	1						1			
Steelton, Pa	...do	12,068	5	1						2					
Superior, Wis	...do	31,091	11					17	2						
Taunton, Mass	...do	31,036	11	1	1			5		1		1	1		
Terre Haute, Ind	...do	36,673	15		1					1					
Titusville, Pa	...do	8,244	3					2							
Topeka, Kans	Apr. 3	33,608	10				1			1					
Trenton, N. J	Apr. 10	73,307		5	2	10				2					
Waltham, Mass	...do	23,481	10	3				5		1		19	1		
Washington, D. C	...do	278,718	141	30	22	10	1	21		6		244	1	16	2
Weymouth, Mass	...do	11,324	5		1										
Wheeling, W. Va	Apr. 3	38,878	17	1	1	2						6	1		
Do	Apr. 10	38,878	12	1	1	4				1	1	5			
Wilkinsburg, Pa	Apr. 14	13,000	4	5				1							
Williamsport, Pa	Apr. 10	28,757	5					5							
Wilmington, Del	...do	76,508	29		1				2		1				
Winona, Minn	Apr. 14	19,714	5												
Woburn, Mass	Apr. 10	14,254	2	2	1										
Worcester, Mass	Apr. 3	118,421	43	8	6	3		10		5		9		5	
Do	Apr. 10	118,421	44	10	3		1	5		5		6	1	1	
York, Pa	Apr. 3	33,708		7				4							
Do	Apr. 10	33,708		9				10				1			
Zanesville, Ohio	...do	23,538	6		1	9									

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin. March 24, 1909.]

CHOLERA.

ITALY.—March 10. Maritime sanitary police decree relative to arrivals from Singapore suspended.

PLAGUE.

GERMAN EMPIRE.—March 17. Measures against arrivals from Trinidad suspended.

AUSTRALIA.

Examination of rodents at Brisbane and Mackay for plague infection.

The following is taken from bulletins received from the department of public health of Queensland, under dates of February 27 and March 6:

Week ended February 27. Rodents destroyed, 573; examined, 463; plague infected, 0. Week ended March 6. Rodents destroyed, 516; examined, 410; plague infected, 0.

Date of finding of last plague-infected rat at Brisbane, September 15, 1908.

Plague found in rodents at Mackay: February 20, 2; February 22, 3; February 24, 3; total, 8. March 1, 4.

AZORES.

Report from St. Michael—Status of plague on islands of Fayal and Terceira.

Consul McCreevey reports, April 1:

Plague is still present on the island of Fayal. One case was officially reported March 31. Conditions on the island of Terceira are improving, only 1 plague case, with 1 death, having been reported since March 13.

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BARBADOS.

Report from Bridgetown—Inspection of vessels—Sanitary conditions—Status of yellow fever.

Acting Assistant Surgeon Urquhart reports, April 3:

Week ended April 3. Bills of health issued to 8 vessels having a total of 41 passengers and 422 members of crews.

The sanitary condition of vessels, cargoes, crews, and passengers, good.

Three new cases of yellow fever were reported during the week, with 2 deaths. All occurred in the country.

BRAZIL.

Report from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox—Plague in Chile.

Acting Assistant Surgeon Stewart reports, March 18:

Week ended March 14. Vessels inspected and issued bills of health: March 12, the British steamship *Queen Eleanor*, for New Orleans and New York, in cargo of coffee, with no passengers and no change in the crew personnel; on the same date the British steamship *Norse Prince*, for New York, in cargo of coffee, with no passengers from this port and with 2 new members of the crew signed on here; March 13, the British steamship *Lord Antrim*, for Philadelphia, with a cargo of manganese ore, and with no passengers and no change in the crew personnel, and on the same date the Brazilian steamship *Sergipe*, for New York via 8 Brazilian northern ports, with cargo of coffee and 22 cabin and 21 steerage passengers, and with an entire new crew in this, the home port, all of whom were vaccinated or revaccinated.

NOTE.—The steamship *Queen Eleanor* left without inspection.

Plague in Chile.—A press dispatch of March 17 from Santiago, Chile, states that plague has assumed alarming proportions in the cities of Magillones and Antofagasta. The measures for the suppression of this disease put in force by the health authorities have so far proved unsuccessful to abate the disease, and a large proportion of the population of these cities have fled.

Mortality in Rio de Janeiro, Brazil.—Week ended March 14. Total estimated population, 811,443. Census population, 1907, 628,675. Total deaths, 276. No deaths from yellow fever or plague. No cases of yellow fever; 4 cases of plague. Smallpox caused 9 deaths, with 21 new reported cases, of which number 2 occurred in the suburbs. At the close of the week there were in the Hospital São Sebastião 39 cases of smallpox and 4 cases of plague under treatment.

COSTA RICA.

Reports from Limon, fruit port—Sanitary conditions.

Acting Assistant Surgeon Goodman reports:

Week ended April 9. Estimated population, 8,000. General sanitary condition of this port and the surrounding country during the week, good.

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Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 3	Karen	Mobile	24	0	0
4	Ellis	New Orleans	38	0	0
4	Esparta	Boston	43	0	0
5	Sarnia	New York	53	31	0
7	Parismina	New Orleans	87	8	64
7	Buenos Ayres	Porto Rico	126	35	141
9	Belvernon	Mobile	19	0	0
9	Miami	New York	47	4	0

The town is clean and presents a good appearance. The streets and back yards are well kept and are in fair sanitary condition. Garbage is removed daily by the city carts. A few receptacles containing water in which mosquitoes may breed are found, but the authorities state that they will immediately rectify this condition. Mosquitoes are not plentiful in the port. Very few *Stegomyia calopus* are seen.

CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, April 12:

Week ended April 10.

Vessel inspected	1
Bill of health issued	1

No quarantinable diseases have been reported during the week and the sanitary condition of the city and port continues satisfactory.

Report from Habana—Inspection of vessels—Reorganization of local boards of health.

Passed Assistant Surgeon Amesse reports, April 13:

Week ended April 10.

Bills of health issued	20
Vessels inspected	16
Members of crews of outgoing vessels inspected	868
Passengers of outgoing vessels inspected	860

The sanitary department reports satisfactory progress in the reorganization of local boards of health throughout the Republic. No quarantinable disease reported.

Report from Matanzas—Inspection of vessels—Leprosy.

Acting Assistant Surgeon Nuñez reports, April 12:

Week ended April 10. Bills of health issued to 7 vessels bound for United States ports in good sanitary condition. No quarantinable diseases other than 1 new case of leprosy have been reported.

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Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, April 6:

Week ended April 3. Bills of health issued to 4 vessels bound for the United States. No vessel was fumigated. No quarantinable disease has been reported.

ECUADOR.

Report from Guayaquil—Inspection and fumigation of vessels—Plague and yellow fever.

Passed Assistant Surgeon Wightman reports, March 29, through Passed Assistant Surgeon Lloyd:

During the week ended March 20, 2 steamships were fumigated and granted bills of health.

For the same week quarantinable diseases were reported in Guayaquil as follows: Yellow fever, 26 new cases, with 10 deaths; plague, 5 new cases, with 3 deaths.

FRANCE.

Precautions against importation of cholera.

The following is received from Assistant Surgeon Wollenberg, at Naples, under date of March 29:

The president of the council of ministers has recommended the continuance of all preventive measures on the frontier against the introduction of cholera from Russia, i. e., inspection and disinfection, the protection from contamination of all drinking-water supplies in France, ordering all physicians and landlords to report all cases suspicious of cholera, and prohibiting the introduction from Russia of all articles liable to carry the infection. (See Public Health Reports October 2, 1908, p. 1427.)

HONDURAS.

Report from Ceiba, fruit port—Stegomyia calopus and Anopheles present.

Acting Assistant Surgeon Jumel reports:

Week ended April 7. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good.

Stegomyia calopus present; *Anopheles* abundant.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Apr. 2	Viator	17	7	0	0
6	Livingston	18	1	0	0

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Report from Puerto Cortez, fruit port.

Acting Assistant Surgeon Wailes reports:

Week ended April 6. Present officially estimated population, about 2,500. General sanitary condition of this port and the surrounding country, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 1	Harry T. Inge	31		
1	Utstein	16		
2	Agnella	18	2	
2	Bado	18		
4	Marietta	18	4	
6	Mercator	17		
6	Corinto	24	1	2

INDIA.

Report from Calcutta—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, March 18: Week ended March 13. No transactions.

Week ended March 6: At Calcutta, 67 deaths from cholera, 71 from plague, and 345 from smallpox. In Bengal 531 cases and 422 deaths from plague; India, 5,033 cases and 4,109 deaths from plague.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox at Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, March 29:

Vessels inspected at Naples, Palermo, and Genoa, week ended March 27.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 24	Slavonia	New York			
24	Re d'Italia	do	1,019	50	1,380
24	Batavia	do	1,619	150	1,850
26	Nord America	do	722	30	1,220
26	Prinzess Irene	do	1,205	80	1,450
27	Manuel Calvo	do	603	25	850
27	Roma	do	974	80	1,250
	Total		6,142	415	8,000

PALERMO.

Mar. 25	Re d'Italia	New York	530	585	185

GENOA.

Mar. 24	Duca degli Abruzzi	New York	1,518	95	980

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Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Mar. 24	Slavonia	.....	.....	.....	.....	.....	.....
24	Re d'Italia	31	2	16	.....	10	59
24	Batavia	77	7	51	.....	20	155
26	Nord America	8	2	9	.....	4	23
26	Prinzess Irene	21	1	14	1	6	43
27	Manuel Calvo	12	3	5	.....	5	25
27	Roma	21	.....	11	.....	4	36
	Total	170	15	106	1	49	341

PALERMO.

Mar. 25	Re d'Italia	22	.....	50	.....	4	76

GENOA.

Mar. 24	Duca degli Abruzzi	10	2	7	.....	7	26

Smallpox in Naples.—Week ended March 28: Sixteen cases of smallpox reported at the health office of the city of Naples.

Status of smallpox in Italy.—Week ended March 28. Provinces: Tribano (Padua) 1 case; San Vito (Belluno) 1 case.

JAPAN.

Report from Yokohama—Examination of emigrants.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Chiyo Maru* March 20: For Honolulu rejected 1, held for observation 2; for San Francisco rejected 1, held for observation 1.

Rejections and detentions were for trachoma.

KONGO FREE STATE.

Report from Boma—Sanitary conditions—Leprosy—Measures against epidemic sleeping sickness.

The following is received from the Department of State, under date of April 6:

In connection with his inspection of the consulate-general at Boma, Kongo Free State, in October, 1908, Consul-General Gottschalk reports:

Malaria exists in all its forms in the Kongo Free State and cases of blackwater fever are frequent. A few cases of beriberi have appeared in the interior. Leprosy is common in the eastern or lake region. No cases of plague or yellow fever have ever been treated at the hospitals or lazarettoes of the Belgian Government. Numerous cases of yellow fever have occurred at Dakkar in French Senegal and an outbreak of plague occurred at Akkra on the British Gold Coast in July, 1908, both places being in close communication with Port Banane,

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Boma, and Matadi, in the Free State, by means of cargo boats which are not required to be fumigated and are usually infested with rats and roaches. The *Stegomyia calopus* mosquito abounds along the Kongo River. The Belgian Government has given much attention to the study of the sleeping sickness which at present exists in epidemic form in the Kongo. There are dangerous foci in the vicinity of Uganda, from which place the disease is believed to have been introduced. The disease is not strictly confined to natives. Cases occurring among foreigners are immediately isolated and placed under treatment in government lazarettoes in charge of European physicians and bacteriologists, of whom a large staff is employed by the government.

MEXICO.

Report from Coatzacoalcos—Inspection and fumigation of vessels—Sanitary conditions—Mosquitoes.

Acting Assistant Surgeon Thompson reports, April 8:

Week ended April 7: Three vessels inspected. Of this number 2 were fumigated. No quarantinable disease reported. The health of the port is satisfactory. Mosquitoes are numerous.

Report from Salina Cruz—Inspection and fumigation of vessels—Health conditions.

Acting Assistant Surgeon McPherson reports, April 1:

Period March 1 to 31, inclusive: Three steamships clearing from this port for the United States inspected and fumigated.

Health conditions in Salina Cruz and district continue very good and no cases of contagious or infectious diseases have been reported.

Report from Tampico—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Stowe reports, April 8:

Week ended April 7.

Vessels inspected and passed	5
Bills of health issued	5
Members of crews of outgoing vessels inspected	168
Passengers of outgoing vessels inspected	12
Vessels fumigated prior to sailing	2

No cases of quarantinable diseases have occurred for this period. The sanitary condition of the port is good.

NICARAGUA.

Report from Bluefields, fruit port.

Acting Assistant Surgeon Layton reports:

Week ended April 7. Present officially estimated population, 2,500. General sanitary condition of this port and the surrounding country during the week, good.

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Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 4	U. S. S. Dubuque	Guantanamo, Cuba.	170		
4	Imperator	New Orleans via Cape Gracias, Nicaragua.	22	7	0

PERU.

Reports from Lima—Inspection and fumigation of vessels—Status of plague in Peru—Plague at Callao—Smallpox at Lima—Plague in Chilean ports.

Acting Assistant Surgeon Gutierrez reports, March 25 and 27:

Week ended March 20. Bills of health issued to the British steamship *Guatemala* and to the United States dredge *Clatsop*, with an aggregate personnel of 138 members in the crew and 68 cabin and 24 steerage passengers.

The following is the latest report on plague in Peru received from the Director de Salubridad Pública:

Locality.	Cases, Mar. 5.	New.	Recovered.	Died.	Remaining, Mar. 11.
Department of Lima	14		3		11
Department of Callao	6		4		2
Department of Libertad	36	17	6	6	41
Department of Lambayeque	16	*9	*5	*1	*20
Department of Cajamarca	11	*2	(*)	*1	*6
Department of Arequipa	3	1	1	1	2
Department of Piura	2				2

The figures with the sign (*) have been miswired. Since March 14, 2 cases of plague have been reported at Callao.

Bills of health report plague in Chile as follows: Antofagasta March 8: 17 cases in 2 weeks; no deaths. Iquique, March 10, 13 cases in the lazaretto; in 2 weeks, 7 cases and 6 deaths.

Week ended March 27. Five vessels fumigated and dispatched with an aggregate personnel of 173 members in the crew and 111 cabin and 54 steerage passengers.

The following is the latest report on plague in Peru received from the Director de Salubridad Publica:

Locality.	Cases Mar. 12.	New.	Recovered.	Died.	Remaining Mar. 18.
Department of Lima	11	2	2		11
Department of Callao	2	1		1	2
Department of Libertad	41	6	10	3	34
Department of Lambayeque	20	12	2	9	21
Department of Arequipa	2	1	2	1	0
Department of Piura	2				2
Department of Cajamarca	6	3		2	7

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Since March 25, 2 new cases of plague have occurred at Callao.

There is only one case of smallpox in the lazaretto at Lima.

Bills of health report plague in Chile as follows: Antofagasta, March 20, 24 cases, isolated. Iquique, March 21, 13 cases in the lazaretto; 10 cases and 7 deaths in 2 weeks.

PORTO RICO.

Report from Ponce—Transactions of service, month of March, 1909.

Acting Assisting Surgeon Ferrer-Torres reports, April 1:

Month of March, 1909.

Vessels inspected	15
Disinfected	4
In quarantine	8
Passengers inspected:	
Incoming	71
In transit	716
Passengers in quarantine	7
Immigrants inspected	15
Members of crews inspected	738
Bills of health issued	41
Pieces of baggage disinfected	7

RUSSIA.

Report from Libau—Status of cholera at St. Petersburg—Steamship to be used as detention barracks for emigrants.

Acting Assistant Surgeon De Forrest reports, April 3:

From March 27 to 31, inclusive, there were 13 cases of cholera with 3 deaths at St. Petersburg.

From this date the Russian-America Line will hold one of its steamships in the harbor to serve as barracks for emigrants.

VENEZUELA.

Organization of Commission of Public Hygiene.

The following decree creating a commission of public hygiene is received from the American minister at Caracas, through the Department of State, under date of April 6:

Whereas it is necessary that there should be a consulting and technical board for studying and resolving scientifically questions of hygiene and public health until congress can legislate on this important branch of the administration—

DECREES.

ARTICLE 1.—There is hereby created, provisionally, in the city of Caracas, and under the minister of the interior, a consulting and technical board to be called the commission of public hygiene.

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ART. 2.—This commission shall be competent to decide the following:

1. All questions referring to the prevention of contagious diseases, quarantine, sanitary cordons, leper asylums, supply of vaccine and serum, and naval hygiene.

2. Hygienic methods for improving, from a health point of view, water systems, food products, medicines, and other substances and provisions.

3. Methods for improving climate, for purification of the air, improvement of the soil, and hygienic construction for dwelling houses, workshops, and public buildings.

4. Advancement of social hygiene, including the prevention of tuberculosis and the study of bacteriological diseases.

5. Public aid.

6. Medical statistics.

7. Sanitary legislation.

ART. 3.—The commission shall be constituted as follows: A consultor of hygiene who shall preside, 5 physicians, 1 engineer, and a lawyer. Four of the physicians shall be professors in the departments of hygiene, biological physics and chemistry, physiology, and bacteriology of the Central University, and the perpetual secretary of the Academy of Medicine. The remaining physician and the other members will be named in a separate resolution.

ART. 4.—The commission shall have a president, vice-president, and secretary, chosen by the commission itself from its members.

ART. 5.—The commission of public hygiene shall render weekly reports to the national government through the minister of the interior, such reports to give an account of the work of the commission and the sanitary state of the cities. It shall present resolutions in regard to the questions which the said ministry shall submit to it for its examination, and shall proceed immediately after its installation to elaborate projects of laws for public hygiene which the government shall submit to the national congress.

ART. 6. The carrying out of the decree is intrusted to the minister of the interior.

J. V. GOMEZ,
Constitutionally charged with the Presidency of the Republic.

CARACAS, *March 17, 1909.*

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Transvaal—Johannesburg.*—Two weeks ended February 20, 1909. Estimated population, 180,687. Total number of deaths, 157, including enteric fever 5, diphtheria 1, and 19 from tuberculosis.

ALGERIA—*Bona.*—Month of January, 1909. Estimated population, 42,000. Total number of deaths, 123, including smallpox 7, enteric fever 1, diphtheria 1, measles 2, whooping cough 1, and 12 from tuberculosis.

Month of February, 1909. Total number of deaths, 111, including smallpox 13, enteric fever 1, diphtheria 2, measles 1, and 9 from tuberculosis.

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AUSTRALIA—*New South Wales—Newcastle.*—Month of January, 1909. Estimated population, 51,450. Total number of deaths, 520, including enteric fever 13, whooping cough 2, diphtheria 3, and 35 from tuberculosis.

The State of South Australia, including the city of Adelaide.—Six weeks ended February 6, 1909. Estimated population: State, 394,692; city 40,185. Total number of deaths, 496, including enteric fever 11, diphtheria 2, and 53 from tuberculosis. Cases: Enteric fever 109, scarlet fever 7, diphtheria 37, and tuberculosis 83.

Queensland—Brisbane.—Month of February, 1909. Estimated population, 135,665. Total number of deaths, 125, including enteric fever 6, and 8 from pulmonary tuberculosis.

AZORES—*St. Michaels.*—Month of February, 1909. Estimated population, 131,183. Total number of deaths, 184, including measles 1, whooping cough 12, and 6 from tuberculosis.

BRAZIL—*Ceara.*—Month of February, 1909. Estimated population, 55,000. Total number of deaths, 114, including enteric fever 5, whooping cough 1, and 16 from tuberculosis.

Bahia.—Annual report for the year 1908. Total number of deaths, 5,754, corresponding to an annual death rate of 21.71 per 1,000 of population which is estimated at 265,000. Deaths include plague 52, smallpox 85, enteric fever 24, beriberi 85, tuberculosis 756, measles 8, yellow fever 14, leprosy 1, and 2 from diphtheria.

Pernambuco.—Two weeks ended February 28, 1909. Estimated population, 210,000. Total number of deaths, 243, including smallpox 5, beriberi 1, enteric fever 1, and 44 from tuberculosis.

CANADA—*British Columbia—Vancouver.*—Month of March, 1909. Estimated population, 66,500. Total number of deaths, 47, including scarlet fever 2, beriberi 1, and 6 from tuberculosis. Cases: Smallpox 3, measles 50, scarlet fever 18, diphtheria 6, whooping cough 31, and enteric fever 21.

Quebec—Sherbrooke.—Month of March, 1909. Estimated population, 15,000. Total number of deaths, 19, including 8 from tuberculosis.

FRANCE—*Calais.*—Month of March, 1909. Estimated population, 80,000. Total number of deaths, 171, including scarlet fever 1, diphtheria 2, measles 2, whooping cough 1, and 26 from tuberculosis.

Cherbourg.—Month of March, 1909. Estimated population, 43,948. Total number of deaths, 163, including enteric fever 31, diphtheria 1, whooping cough 1, and 24 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended March 27, 1909, correspond to an annual rate of 19.8 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand nine hundred and eighty-nine deaths were registered during the week, including measles 118, scarlet fever 9,

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diphtheria 15, enteric fever 5, whooping cough 40, tuberculosis 143, and 12 from diarrhea. The deaths from all causes correspond to an annual rate of 21.5 per 1,000. In Greater London 2,776 deaths were registered. In the "outer ring" the deaths included 13 from measles, 1 from scarlet fever, 3 from diphtheria, 6 from whooping cough, and 2 from enteric fever.

Ireland.—The average annual death rate represented by the deaths registered during the week ended March 27, 1909, in the 21 principal town districts of Ireland was 25.1 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Drogheda, viz, 8.2, and the highest in Kilkenny, viz, 34.3 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended March 27, 1909, correspond to an annual rate of 20.5 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Perth, viz, 35.2, and the lowest in Aberdeen, viz, 16.1 per 1,000. The aggregate number of deaths registered from all causes was 732, including diphtheria 8, measles 3, scarlet fever 5, enteric fever 2, and 52 from whooping cough.

ITALY—*Genoa.*—Two weeks ended March 31, 1909. Estimated population, 279,163. Total number of deaths, 424, including diphtheria 2, measles 19, scarlet fever 2, and 34 from tuberculosis.

MEXICO—*Tampico.*—Month of March, 1909. Estimated population, 20,000. Total number of deaths, 42, including 8 from tuberculosis.

NEW ZEALAND—*Auckland.*—Month of January, 1909. Estimated population, 75,345. Total number of deaths, 49, including 2 from tuberculosis.

Wellington.—Month of January, 1909. Estimated population, 73,697. Total number of deaths, 56, including scarlet fever 2, and 8 from tuberculosis.

Christchurch.—Month of January, 1909. Estimated population, 62,096. Total number of deaths, 44, including 5 from tuberculosis.

Dunedin.—Month of January, 1909. Estimated population, 61,279. Total number of deaths, 65, including enteric fever 1, measles 2, and 4 from tuberculosis.

WEST INDIES—*Curaçao.*—Month ended April 2, 1909. Estimated population, 30,400. Total number of deaths, 22. Cause of deaths not reported.

Jamaica—Kingston.—Month of March, 1909. Estimated population, 52,065. Total number of deaths, 162, including enteric fever 6, and 21 from tuberculosis.

St. Thomas.—Month of March, 1909. Estimated population, 11,000. Total number of deaths, 18, including 3 from tuberculosis.

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Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to April 23, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Dec. 5	12	10	
China:				
Hongkong	Dec. 28-Jan. 16	2	2	
India:				
Bombay	Dec. 9-Mar. 23		87	
Calcutta	Nov. 1-Mar. 13		399	
Madras	Nov. 14-Mar. 19		57	
Negapatam	Oct. 31-Feb. 26		27	
Rangoon	Nov. 8-Mar. 13		60	
Indo-China:				
Cholen	Nov. 9-15	1	1	
Saigon	Mar. 1-6	2	2	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1-Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1-Jan. 16	260	163	
Bataan	Nov. 1-7	1	1	
Bohol	Dec. 20-Feb. 27	225	144	
Bulacan	Nov. 1-Feb. 27	82	71	
Cagayan	Nov. 1-Jan. 16	114	67	
Capiz	Nov. 1-Feb. 27	1,350	762	
Cavite	Nov. 1-Feb. 20	110	81	
Cebu	Dec. 20-Feb. 6	21	15	
Ilocos Norte	Nov. 1-Jan. 16	335	235	
Ilocos Sur	Nov. 1-Jan. 2	207	140	
Iloilo	Nov. 1-Jan. 16	293	154	
Isabela	Jan. 24-30	2		
La Laguna	Nov. 1-Feb. 20	117	79	
Leyte	Nov. 1-Jan. 30	155	124	
Negros Occidental	Nov. 1-Jan. 16	272	175	
Nueva Ecija	Feb. 14-20	1	1	
Palawan	Nov. 1-Dec. 19	10	5	
Pampanga	Nov. 1-Feb. 27	72	48	
Rizal	Nov. 1-Feb. 20	246	216	
Samar	Nov. 1-Feb. 27	170	111	
Sorsogon	Jan. 10-Feb. 20	98	64	
Surigao	Nov. 15-Jan. 12	7	4	
Union	Nov. 1-Jan. 12	12	8	
Zambales	Dec. 6-12	3	3	
Russia, general	Nov. 15-Mar. 20	4,255	1,770	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases arereported weekly from the following places: Schuscka, Dnieprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15-Jan. 23	34	13	
Bakoo	Nov. 22-28	3	2	
Batoom	Nov. 15-21	4	2	
Charkov	Dec. 6-Mar. 13	6	1	
Cronstadt	Nov. 15-Jan. 16	3	1	
Don, territory of	Nov. 15-Mar. 6	190	97	
Ekaterinislav	Nov. 15-Dec. 26	27	11	
Erivan	Dec. 1-31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7-Mar. 20	63	28	
Kherson	Nov. 15-Dec. 19	2		
Kief	Nov. 15-Dec. 12	11	1	
Kooban	Nov. 15-Jan. 2	139	76	
Kostroma	Dec. 6-12	1		
Livonia	Nov. 15-21	2	1	
Moscow district	Dec. 6-Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17-23	1	1	Imported.
Odessa	Nov. 29-Dec. 12	2	2	
Olonets	Nov. 21-28	1	1	
Poltava	Nov. 29-Dec. 5	3		
Romanov-Borisoglyebsk	Mar. 10			Present.
Rybinsk	Mar. 13	7		
Samara gov't dist	Nov. 29-Dec. 5	7	7	
Samarcand	Dec. 6-12	10	7	In vicinity.
Saratov	Nov. 15-Dec. 12	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of	Dec. 19-26	1		
Stavropol	Nov. 15-21	1		
St. Petersburg, government	Nov. 15-Mar. 19	35		
St. Petersburg	Nov. 29-Mar. 20	2,242	700	Mar. 31, still present.
Tambov	Nov. 15-Dec. 12	16	8	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Moscow district—Continued.				
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 23	102	48	
Toula	Feb. 21–Mar. 6	7	2	
Tver, district	Nov. 15–Dec. 5	4		
Volgoda	Dec. 6–12	1		
Yelisavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–Dec. 5	1		
Straits Settlements:				
Penang	Feb. 27	1		From s. s. Sunki Maru.
Singapore	Nov. 8–Feb. 27		165	

YELLOW FEVER.

Barbados, general	Dec. 12–Apr. 3	60	21	Including the parishes of St. Andrew, St. Lucy, St. Michael, and St. Joseph.
Bridgetown	Dec. 12–Mar. 20	11		
Speightstown	Mar. 7	1		
Brazil:				
Bahia	Nov. 15–Feb. 27	119	40	
Manaos	Nov. 29–Feb. 27		11	
Para	Nov. 22–Mar. 20		50	
Pernambuco	Nov. 15–Feb. 15		2	
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Oriente Province—San Luis	Jan. 1–2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29–Mar. 27		80	
Martinique:				
Fort de France	Dec. 13–Mar. 6	5	1	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–Mar. 6	15	8	
San Bernardo plantation	Dec. 27–Mar. 20	7	4	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Ticul	Feb. 1–Mar. 6	2	1	
Veracruz	Dec. 6–Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Azores:				
Terceira	Mar. 31–Apr. 1	17	6	
Australia:				
Brisbane	Nov. 1–7	1	1	
Brazil:				
Bahia	Nov. 15–Mar. 14	55	26	
Para	Jan. 24–Feb. 6		2	
Pernambuco	Nov. 1–Dec. 31		10	
Rio de Janeiro	Nov. 16–Mar. 7	73	36	
Chile:				
Antofagasta	Feb. 28–Mar. 11	32		Mar. 20, 24 cases in the lazaretto.
Arica	Mar. 9			Present.
Iquique	Nov. 22–Mar. 21	25	29	Mar. 21, 13 cases in the lazaretto.
Magillones	Mar. 9–10	70		
Taltal	Feb. 11			Present.
China:				
Amoy	Mar. 16			Do.
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–Feb. 27	8	7	
Tamchou	Dec. 19			Vicinity of Hainan; present.
Tientsin	Oct. 18–Nov. 21			Feb. 16, again present.
Tongshan	Nov. 1–14			Present.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Babahoyo	Jan. 16	3		
Guayaquil	Nov. 29–Mar. 27		74	
Milagro	Nov. 17–Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25–Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14–Jan. 20	4		
Port Said	Dec. 4	1		
Suakim	Feb. 1	1		On ss. Huriet II.
Provinces—				
Assiout	Dec. 2–Mar. 17	15	13	
Beherach	Nov. 24–Dec. 26	11	6	
Dakaklieh	Feb. 4–Mar. 18	5	5	
Galyoobeeyeh	Nov. 21–Feb. 2	3		
Garbieh	Nov. 27–Jan. 28	4	2	
Girgeh	Oct. 18–Mar. 14	8	8	
Fayoum	Nov. 23–Dec. 1	1	1	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Feb. 9	5	4	
German East Africa:				
Dar-es-Salaam	Oct. 10–Jan. 7	7	5	
India:				
Bombay Presidency and Sind.	Nov. 2–Feb. 6	13,730	9,692	
Madras Presidency	Nov. 2–Feb. 6	881	636	
Bengal	Nov. 2–Feb. 6	2,321	1,948	
United Provinces	Nov. 2–Feb. 6	2,819	2,334	
Punjab	Nov. 2–Feb. 6	7,078	5,951	
Burma	Nov. 2–Feb. 6	2,790	2,551	
Central provinces, including Berar.	Nov. 2–Feb. 6	2,931	2,243	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Feb. 6	2,249	1,596	
Hyderabad State	Nov. 2–Feb. 6	507	416	
Central India	Nov. 2–Feb. 6	634	495	
Rajputana	Nov. 2–Feb. 6	1,437	1,405	
Grand total		37,382	29,370	
Indo-China:				
Cholen	Oct. 25–Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25–Mar. 6	22	18	
Japan:				
Formosa	Nov. 8–Mar. 13	262	207	Mainly in the central part.
Kagi, prefecture	Jan. 16	5		
Hiogo, prefecture				Year 1908, 219 cases additional.
Kagoshima, prefecture	Feb. 6	1		From ss. Shinkochi Maru.
Kobe	Jan. 20–Mar. 6	4	3	3 cases from ss. Ghazee.
Nara, prefecture				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases.
Osaka	Dec. 22–Jan. 29	3	1	Year 1908, 59 cases additional. Case Jan. 29, on ss. Shinkochi Maru.
Tokushima, prefecture		1		Year 1908.
Yura		116	83	Do.
Mauritius	Oct. 2–Jan. 14		106	
Peru:				
Arequipa, general	Feb. 19–Mar. 18	5	3	
Mollendo	Nov. 1–Feb. 18	1	5	
Cajamarca, general	Feb. 19–Mar. 18	19	7	
Cascas	Feb. 12–18	12	5	
Chota	Jan. 22–Feb. 18	8	8	
Callao, general	Feb. 19–Mar. 18	3	1	
Callao	Nov. 13–Feb. 18	18	11	Mar. 25.
Lambayeque, general	Feb. 19–Mar. 18	6	14	Present.
Chiclayo	Nov. 13–Feb. 18	44	23	
Eten	Nov. 13–Dec. 31	11	10	
Jayanca	Feb. 4	12		
Lambayeque	Feb. 18–Mar. 4	6	5	
Motupe	Dec. 17–Jan. 14	2		
San Jose	Nov. 13–Dec. 3	2		
Zaña	Jan. 14–Feb. 18	4	2	
Libertad, general	Feb. 19–Mar. 18	45	17	
Casma	Feb. 4	1	1	
Chepen	Nov. 27–Feb. 18	19	6	
San Pedro	Nov. 13–Feb. 18	28	21	
Trujillo	Nov. 13–18	153	70	
Lima, general	Feb. 19–Mar. 18	15	3	
Chorrillos	Jan. 22–Feb. 4	2	2	
Lima	Nov. 13–Feb. 13	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15		

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Piura, general	Feb. 19–Mar. 4	2	1	
Catacaos	Dec. 11–Feb. 18	7		
Paita	Dec. 11–17	3	2	
Piura	Dec. 11–Jan. 14	6	4	
Siam:				
Bangkok	Sept. 27–Dec. 26	12	6	Present in November.
Straits Settlements:				
Singapore	Nov. 30–Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6–Feb. 5	14	7	
Beirut	Dec. 17–Jan. 9	5	5	
Jiddah	Dec. 12–Mar. 21	144	128	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	Dec. 1–Feb. 28		78	Imported.
Bone	Jan. 1–Feb. 28	39	22	
Arabia:				
Aden	Nov. 25–Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1–Dec. 31		2	
Australia:				
New South Wales—				
Newcastle	Nov. 1–30	1		
Austria:				
Bohemia	Feb. 7–13	7		
Galicia	Dec. 20–Mar. 27	9		
Silesia	Jan. 3–Mar. 20	2		
Trieste	Mar. 21–27	1		
Brazil:				
Bahia	Nov. 15–Feb. 27	293	22	
Para	Feb. 14–Mar. 27	3	2	
Pernambuco	Nov. 1–Feb. 28		113	
Rio de Janeiro	Nov. 16–Mar. 14	1,331	656	
Santos	Nov. 1–Dec. 20		10	
São Paulo	Nov. 1–Feb. 21		57	
British Honduras:				
Stann Creek	Feb. 5–Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28–Jan. 2	4		
Canada:				
British Columbia—				
Vancouver	Dec. 1–Mar. 31	7		
Victoria	Dec. 12–Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20–Jan. 20	6		
Ontario, Province, general	Dec. 1–31	118		
Hamilton	Jan. 17–23	1		
Toronto	Nov. 8–28	7		
Nova Scotia—				
Halifax	Dec. 13–Apr. 10	71		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1–Mar. 27	29		Revised.
Quebec—				
Montreal	Dec. 26–Jan. 2	1		
Ceylon:				
Colombo	Nov. 1–Feb. 13	93	22	
Chile:				
Concepcion	Jan. 15–31	1		
Talcaguana	Nov. 20–Jan. 28			Present in vicinity.
Valparaiso	Dec. 6–19	2		
China:				
Amoy	Oct. 11–Nov. 8		2	Dec. 19, still present.
Hongkong	Jan. 3–30	4	2	
Shanghai	Nov. 11–Mar. 7	5	5	3 cases Nov. 11–Dec. 28 from U. S. transport Seward.
Tientsin	Jan. 17–Feb. 27	10	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26–Apr. 3	5		Case Dec. 26 on s. s. Floride, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt, general	Nov. 12–Feb. 25	737	164	
Alexandria	Nov. 26–Feb. 28	42	26	
Cairo	Nov. 19–Mar. 18	434	185	
Suez	Feb. 19–Mar. 6	27	2	
France:				
Marseille	Dec. 1–Jan. 31		2	
Nantes	Mar. 15–21	1		
Nice	Jan. 1–Feb. 28	2		
Paris	Nov. 22–Mar. 27	52	2	
Toulon	Jan. 1–31	1		
Germany, general	Nov. 19–Apr. 5	51		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Brunswick	Feb. 16–20	1		
Hamburg	Mar. 13	2		Among Russian emigrants.
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22–Mar. 6		5	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–Mar. 27	23	6	
London	Feb. 1–6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25–Mar. 23		174	
Calcutta	Nov. 1–Mar. 12		1,867	
Madras	Nov. 28–Mar. 19		17	
Rangoon	Nov. 22–Mar. 13		47	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–Mar. 6	22	15	
Italy, general	Nov. 30–Mar. 28	195		
Catania	Feb. 28–Mar. 27	8		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–Mar. 10	4		
Genoa	Dec. 1–Feb. 28	8		
Naples	Dec. 7–Mar. 28	341	59	Jan. 18, 1 case on s. s. Europa.
Palermo	Jan. 24–Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15–21	2		
Japan:				
Formosa	Nov. 29–Mar. 13	19		
Kobe	Feb. 14–Mar. 6	5	2	
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–Mar. 6	60	5	
Malta	Nov. 22–Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17–Mar. 13	2	1	
Mexico:				
Acapulco	Jan. 11–31	12		
Acayucan	Mar. 17			Present.
Guadalajara	Jan. 7–Apr. 1		10	
Mexico City	Nov. 8–Feb. 20		129	
Monterey	Jan. 4–Apr. 4		19	
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Salina Cruz	Jan. 1–15	5		
Tehuantepec	Jan. 28–Feb. 3			Do.
Veracruz	Dec. 13–Mar. 27	8	3	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Rotterdam	Jan. 10–Mar. 27	1	1	
Newfoundland	Feb. 9–Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10–Apr. 3	11		Case Jan. 10 from s. s. Portia.
Norway:				
Bergen	Jan. 24–30		2	
Christiania	Nov. 22–28	1	1	
Paraguay:				
Asuncion	Dec. 20–26			Present.
Persia:				
Arabistan	Jan. 1–28			Do.
Dizfoul	Jan. 1–28			Do.
Hamadan	Oct. 2–Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1–31			Do.
Mechedisser	Jan. 1–28			Do.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Persia—Continued.				
Mohammerah	Jan. 1-28			Present.
Sultanabad	Oct. 1-31			Do.
Tabriz	Oct. 2-8			Do.
Trebizond	Jan. 16			Do.
Teheran	Sept. 18-Oct. 28		17	
Peru:				
Lima	Nov. 22-Dec. 31	11		Mar. 27, 1 case in the lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-Feb. 27	33	12	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-Apr. 3	45		One case, Jan. 27, from s. s. Aragon. Report for Mar. 20 not received.
Russia:				
Batoom	Dec. 1-31	1		
Moscow	Nov. 20-Mar. 27	342	125	
Odessa	Oct. 4-Mar. 20	66	12	
Reval	Jan. 1-31	1		
Riga	Nov. 29-Mar. 20	17		
St. Petersburg	Nov. 15-Mar. 20	139	37	
Warsaw	Nov. 1-Jan. 30		61	
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala.
Servia:				
Belgrade	Dec. 6-12	2		
Siam:				
Bangkok	Nov. 1-30			Present.
Siberia:				
Vladivostok	Dec. 14-Feb. 14	2		
Southeast Africa:				
Lourenco Marquez	Jan. 1-31	1	1	
Spain:				
Almeria	Jan. 1-Feb. 28		3	Apr. 1-Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6-Apr. 5		52	
Cartagena	July 1-31		15	
Madrid	Nov. 1-Jan. 28		60	
Valencia	Nov. 29-Apr. 2	51	9	
Vigo	Nov. 30-Mar. 27		12	
Straits Settlements:				
Penang	Mar. 1-6	1		
Singapore	Dec. 28-Mar. 6		9	
Switzerland:				
Zurich	Feb. 21-27	3		
Tripoli:				
Tripoli	Feb. 13-Mar. 27	11	5	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bagdad	Feb. 13-Mar. 13			Present.
Bassorah	Jan. 3-Mar. 20			Do.
Smyrna	Oct. 7-Mar. 25		69	
Turkey in Europe:				
Constantinople	Dec. 7-Mar. 28		63	
Trebizond	Feb. 7-20			Do.
Uruguay:				
Montevideo	Dec. 1-Jan. 31		2	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aguascalientes	Apr. 4	40,000	39	2					1					
Aix la Chapelle	Mar. 13	159,588	77	4							2	3	3	3
Amsterdam	Mar. 20	566,260	189	21							3	1	1	3
Do	Mar. 27	566,260	195	23						2		1	8	8
Antwerp	Mar. 20	323,921	116	9							2			2
Athens	do	241,058	86	26					1	1			3	
Do	Mar. 27	241,058	78	17					1	1		1		
Barcelona	Mar. 29	600,000	368	8				2		2		5	2	1
Barmen	Mar. 13	161,300	46	4								2	4	
Do	Mar. 20	161,300	47	6							1	1	5	1
Barranquilla	do	40,000	20	1						2				
Basel	Mar. 13	131,000	43	7								1		
Do	Mar. 20	131,000	41	7									1	
Belfast	do	386,576	156	28										4
Belize	Apr. 1	9,113	5											
Berlin	Mar. 13	2,115,912	697	95						2	8	23	7	10
Birmingham	Mar. 27	558,336	231							2		6	31	5
Bombay	Mar. 16	977,822	977	45	286	1		18		4			1	
Bordeaux	Feb. 20	253,000	154	17								1	7	3
Do	Feb. 27	253,000	161	18								1	3	
Do	Mar. 6	253,000	181	15								2	1	2
Do	Mar. 13	253,000	192	19									3	1
Do	Mar. 20	253,000	163	18						2		1	3	1
Do	Mar. 27	253,000	136	8							1	3	1	4
Bradford	Mar. 13	293,983	117	5								1	2	2
Do	Mar. 20	293,983	94	3								3	1	3
Do	Mar. 27	293,983	109	12						1	1		2	4
Bremen	do	234,566	68	12									2	1
Breslau	Mar. 13	335,186	196	40							1	4	1	
Bristol	Mar. 27	377,642	137					1				3	4	1
Brussels	Mar. 20	704,975	241	31						2			3	1
Do	Mar. 27	704,975	209							5	1	2		
Calcutta	Mar. 6	847,796	889	18	71	67		315					2	
Cardiff	Mar. 13	195,303	72	6									1	1
Do	Mar. 20	195,303	73	10									2	1
Do	Mar. 27	195,303	52	4										
Cartagena	Mar. 21	30,000	9											
Ceiba	Apr. 3	6,500	1											
Chemnitz	Mar. 20	272,488	88	12									1	1
Chihuahua	Apr. 3	37,000	22	1										
Christiania	Mar. 20	235,000	60							1				1
Do	Mar. 27	235,000	60									1		2
Cienfuegos	do	37,000	16											
Coburg	Mar. 20	23,491	10	2										
Cognac	Mar. 13	19,483	8											
Do	Mar. 20	19,483	9											
Do	Mar. 27	19,483	11											
Cologne	Mar. 20	468,386	212	20							3	9	3	4
Colombo	Jan. 23	183,872	128	14				1		8				
Do	Jan. 30	183,872	146	20				1		7				
Do	Feb. 6	183,872	150	18				1		7				
Do	Feb. 13	183,872	149	10				6		8			1	
Colon	Mar. 28	16,000	9	1										
Do	Apr. 4	16,000	12	1										
Constantinople	Mar. 21	1,000,000	376	51						16		1		
Do	Mar. 28	1,000,000	384	47				1		6	1	1	1	
Copenhagen	Mar. 13	439,000	175	24							5		5	1
Damascus	do	250,000	50											
Do	Mar. 20	250,000	48											
Denia	Mar. 27	12,431	6											
Dresden	Mar. 20	546,100	160	28							1	5	1	
Do	Mar. 27	546,100	159	25						1	1	5	2	
Dundee	do	169,409	67								1	3	1	3
Durban	Mar. 6	60,972	8	1										
Edinburgh	Mar. 27	355,366	117	8								1		5
Erfurt	Mar. 20	107,712	46	5						8		2	2	
Flushing	Mar. 27	21,208	8											
Do	Apr. 3	21,208	5											
Frankfort-on-the-Main	Mar. 13	362,600	86								1			
Do	Mar. 20	362,600	105							1		1	1	
Geneva	Mar. 13	118,500	74											

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Georgetown[a]	Mar. 20	56,000	81	7										
Ghent	do	164,579	80	8										
Gibraltar	Mar. 28	26,830	7	1										
Glasgow	Apr. 2	872,021	373							2	4	4	1	37
Gothenburg	Mar. 20	162,200	43	8										2
Do	Mar. 27	162,200	44	6						1				
Greenock	do	72,300	32											1
Guadalajara	Apr. 1	125,000	95					2						
Halifax	Apr. 3	40,787	16											
Hamburg	Mar. 27	872,252	321	45							10	7	2	4
Hamilton, Bermuda	Apr. 5	20,206	4											
Havre	Mar. 20	132,430	56	8						1				4
Do	Mar. 27	132,430	64	18										
Hilo, Hawaii	do	3,500	2											
Hongkong	Feb. 6	315,616								2				
Do	Feb. 13	315,616								1		1		
Do	Feb. 20	315,616			2					1		1		
Do	Feb. 27	315,616			3							1		
Hull	Mar. 27	275,552	97									1	4	
Königsberg	Mar. 20	237,600	119	5								1		2
Lausanne	Mar. 13	60,000	18											
Leeds	Mar. 27	484,012	189	10								1	5	1
Leipzig	Mar. 20	537,686	149	17						2	2	2	2	
Leith	Mar. 27	85,721	31	5										
Libau	Mar. 20	90,000									2			
Do	Mar. 28	90,000											2	
Lisbon	Mar. 6	406,869	216	40							1	6	2	1
Liverpool	Mar. 27	760,357	374	23							6	3	34	7
London	do	4,833,938	1,989	143						5	9	15	118	40
Lübeck	Mar. 20	97,000	34	2										
Do	Mar. 27	97,000	28	3										
Lyon	Mar. 20	472,114	279	35								6		
Madras	Mar. 12	509,346	364					1					5	
Magdeburg	Mar. 13	250,902	95	10							6	2		
Manchester	Mar. 27	631,533	239	22						2	4	2	7	2
Mannheim	Mar. 13	179,000	44	6										1
Manzanillo	Apr. 3	1,700	4											
Mazatlan	Mar. 20	20,777	19											
Do	Mar. 27	20,777	18											
Moncton, N. B	Apr. 10	13,500	4											
Monterey	Apr. 4	100,000	63	5				3		2	1			
Montreal	Apr. 3	378,856	145	13						1	3	1	1	1
Moscow	Mar. 20	1,335,104	831	100				11	23	5	21	16	29	5
Munich	Mar. 13	566,000	208	39						1	3	7	3	3
Nagasaki	Mar. 14	175,936	47											
Naples	Mar. 6	593,729	277								1	1	1	
Newcastle-on-Tyne	Mar. 27	281,584	98								2	2	5	1
Nottingham	Mar. 20	260,000	125										8	7
Nuevo Laredo	Apr. 3	8,000	3	1										
Do	Apr. 10	8,000	2	1										
Nuremberg	Mar. 13	316,180	101	22										2
Odessa	Mar. 20	520,000	217	37					1		5	2		2
Para	Mar. 27	185,000	97	7				1						
Paris	do	2,776,394	1,056	218						7	8	2	9	2
Penang	Mar. 6	102,520	71	14										
Plymouth	Mar. 27	124,181	49										6	
Queenstown	do	7,684	3											
Rangoon	Mar. 6	252,155	189	9	9	3		8						
Rio de Janeiro	Mar. 7	811,443	288	59	1			14		4		1	2	1
Rome	Dec. 26	559,715	235	20						3	3	1	1	2
Do	Jan. 2	559,715	203	12						1	1	1	1	
Do	Jan. 9	559,715	230	11								5	5	1
Do	Jan. 16	559,715	246	13						2	3	4		4
Do	Jan. 23	559,715	280	21						1		4	2	2
Rotterdam	Apr. 3	412,905	120								1	1		
Saigon	Feb. 27	208,000			6			5						
St. John, N. B	Apr. 10	40,711	21	5								1		
St. Petersburg	Mar. 13	1,678,000	877	148		8		1	1	10	16	10	36	7
St. Stephen	Apr. 10	2,840	2											

[a] Total number of deaths include returns for two weeks from the hospital.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Salford	Mar. 27	241,950	95								3	2	5	2
San Feliu de Guixols	do	11,094	6											
Santa Cruz de Teneriffe	Mar. 20	46,000	10	1										
Santiago de Cuba	Apr. 3	45,470	12	1										
Shanghai	Mar. 6	565,000	122	16				1						
Sheffield	Mar. 20	440,000	251	21							2	1	27	1
Do	Mar. 27	440,000	195	15						1		1	36	5
Smyrna	Mar. 4	400,000	79	12				2						
Do	Mar. 11	400,000	54	9						1		1		
Do	Mar. 18	400,000	63	17						2		1		
Do	Mar. 25	400,000	54	8				3						
Southampton	Mar. 20	124,667	39	4										2
Do	Mar. 27	124,667	32	4							2	4		
Stettin	Mar. 20	230,000	78	6							1	1		
Stockholm	Mar. 13	337,460	128	21							1	1		2
Tegucigalpa	Mar. 23	24,000	7											
Tientsin	Feb. 27	1,000,000	5											
Do	Mar. 6	1,000,000	4							1				
Trieste	Mar. 20	215,250	125							1	2			
Turin	Mar. 13	381,439	268	26						1		1	1	
Do	Mar. 20	381,439	237	21								1	1	
Valencia	Mar. 26	250,000	140	11				3		2				
Venice	Mar. 6	179,286	113	12						1		2		2
Do	Mar. 13	179,286	90	7							1	4		
Do	Mar. 20	179,286	84	7								2	1	1
Vevey	Mar. 13	14,500	3											
Victoria, B. C.	Apr. 3	30,000	8											
Vienna	Mar. 13	2,042,426	806	143						2	13	6	26	3
Do	Mar. 20	2,042,426	754	122						1	10	9	18	4
Vigo	Mar. 27	40,000	21	2								1	2	
Warsaw	Jan. 23	751,595	306	60				3		1	12	1	6	2
Do	Jan. 30	751,595	322	64				3		2	5	3	6	1
West Hartlepool	Mar. 27	66,750	27											
Winnipeg	Feb. 27	118,000	33											
Do	Apr. 3	118,000	26											
Do	Apr. 10	118,000	10	3										
Zanzibar	Feb. 28	75,000	12	3										
Zurich	Mar. 27	180,000	58	8										1

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended April 17, 1909.

Sick inspected	4
Plague	0
Dead inspected	117
Plague	0
Necropsy held	1
Premises inspected	2,127
Buildings condemned	7
Houses disinfected	110
Nuisances abated	280
Rats found dead	36
Rats trapped	2,388
Total rats taken	2,424
Rats identified:	
Mus norvegicus	1,695
Mus rattus	58
Mus musculus	641
Mus alexandrinus	13
Total	2,407
Rats identified as to sex:	
Male	794
Female	922
Total	1,716
Ground squirrels trapped	3
Gophers trapped	5
Rats examined bacteriologically	1,474
Plague rats	0
Ground squirrels examined bacteriologically	3
Plague squirrels	0
Gophers examined bacteriologically	5
Plague gophers	0
Poisons placed	22,492

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OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended April 10, 1909.

Dead inspected	17
Plague	0
Premises inspected	1,302
Nuisances abated	145
Premises cleaned	431
Garbage cans installed	136
Rats found dead	49
Rats trapped	506
Mice trapped	42
Rats identified:	
Mus norvegicus	540
Mus musculus	42
Mus rattus	12
Mus alexandrinus	3
Total	597
Rats examined bacteriologically	552
Plague rats	0
Mice examined bacteriologically	42
Plague mice	0
Poisons placed	23,680

POINT RICHMOND, CAL.

Week ended April 10.

Premises inspected	490
Nuisances abated	35
Rats found dead	14
Rats trapped	31
Rats examined bacteriologically	31
Plague rats	0
Poisons placed	7,000

ALAMEDA COUNTY, CAL.

Week ended April 10.

Dead inspected	47
Plague	0

CONTRA COSTA COUNTY, CAL.

Week ended April 10.

Dead inspected	3
Plague	0

Reports from Los Angeles, Cal.—Examination of animals for plague infection—Summary for period September 24, 1908, to April 12, 1909.

Passed Assistant Surgeon Stimson, plague laboratory, reports, April 14:

Animals examined in the laboratory in this city from April 5 to 12, inclusive:

Ground squirrels	43
Gray rats	577
Black rats	11
White rats	1

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None of these animals was found to be infected with plague.

The total number of animals examined at this laboratory from September 24, 1908, to April 12, 1909, is 13,922, grouped as follows:

Ground squirrels	4,722
Gray rats	8,288
Black rats	564
Gambel pocket rats	125
Mice	96
White rats	69
Rabbits	32
Gophers	23
Skunks	2
Wild rat (undetermined)	1

Reports from Seattle, Wash.—Plague-prevention work—Inspection and fumigation of vessels discontinued—Summary of transactions, March 1 to 15.

Passed Assistant Surgeon Glover reports, April 12 and 14:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended April 10, 1909.

Rats received	813
Rats necropsied	802
Plague rats	0
Plague-infected rats to date	21

The fumigation and inspection of vessels was stopped on March 15, 1909. From March 1 to 15 there had been inspected 18 vessels: Fumigated, 8.

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*Stockton.*—Month of March, 1909. Estimated population, 23,000. Total number of deaths, 28, including 3 from tuberculosis. Cases: Diphtheria, 2; scarlet fever, 1; and tuberculosis, 3.

FLORIDA.—Report from the State board of health of communicable diseases for the two weeks ended April 17, 1909, shows as follows: Diphtheria: Fernandina 3, Jacksonville 4, West Tampa 2, St. Augustine, Miami, and Ocala each 1 case. Malaria: Jacksonville 17, Tampa 11, and Bartow, Daytona, Gainesville, Lake Butler, Ozona, Tallahassee, Quincy, Plant City, and Sanford, each 1 case. Tuberculosis: Jacksonville 8, Tampa 4, Daytona and Ybor City each 2 cases; Dade City, Gainesville, White Springs, Miami, Milton, Ocala, Plant City, and Tallahassee, each 1 case. Enteric fever: Jacksonville 5, Fivay and Ocala each 1 case.

NEW YORK—*Buffalo.*—Month of March, 1909. Estimated population, 410,000. Total number of deaths, 479, including diphtheria 6, scarlet fever 18, enteric fever 2, whooping cough 1, and 47 from tuberculosis.

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Troy.—Month of March, 1909. Estimated population, 77,650. Total number of deaths, 130, including 17 from tuberculosis. Cases: Enteric fever 3, diphtheria 2, scarlet fever 7, measles 108, and tuberculosis 55.

Yonkers.—Month of March, 1909. Estimated population, 72,200. Total number of deaths, 95, including measles 1, and 15 from tuberculosis. Cases: Scarlet fever 46, diphtheria 16, measles 97, whooping cough 2, and pulmonary tuberculosis 21.

OHIO.—Annual report for the year 1907. Report covers an area with a population estimated at 3,537,781. Total number of deaths, 42,892, including enteric fever 1,053, smallpox 1, measles 165, scarlet fever 263, whooping cough 220, diphtheria 577, and 4,643 from tuberculosis.

The total number of deaths correspond to an annual death rate of 12.12 per 1,000 of population.

PENNSYLVANIA—*Erie.*—Annual report for the year 1908. Estimated population 67,000. Total number of deaths 991, corresponding to an annual death rate of 14.79 per 1,000 of population, including enteric fever 39, scarlet fever 9, whooping cough 7, diphtheria 15, and 80 from tuberculosis. Cases: Whooping cough 91, enteric fever 281, tuberculosis 228, scarlet fever 421, measles 24, and diphtheria 81.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to April 30, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Autauga County	Feb. 27–Apr. 5	11		
Prattville	Feb. 27–Apr. 5	3		
Dallas County	Feb. 20–Apr. 12	12		
Selma	Feb. 28–Apr. 12	26		
Jefferson County— Birmingham	Mar. 1–31	10		
Mobile County— Mobile	Jan. 12–Apr. 17	8		
Montgomery County— Montgomery	Mar. 13–Apr. 2		2	
Tuscaloosa County		86		Year 1908.
Total for State		156	2	
Arkansas:				
Allbrook	Jan. 1–Mar. 25	40		
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		148		
California, general	Nov. 1–Feb. 28		4	
Los Angeles	Dec. 6–Apr. 3	19	1	
Oakland	Nov. 1–Apr. 19	16		
Sacramento	Nov. 1–Mar. 27	54		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
California—Continued.				
San Francisco	Dec. 13–Apr. 10	31		
Stockton	Nov. 1–30	12		
Total for State		132	5	
Colorado, general	July 1–Feb. 23	109		
District of Columbia:				
Washington	Dec. 28–Apr. 17	11		
Total for District		11		
Georgia:				
Bibb County—				
Macon	Mar. 14–Apr. 18	13		
Cobb County	Jan. 16–Feb. 7	8		
Paulding County	Jan. 16–Feb. 7	15		
Total for State		36		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Feb. 27	211		
Thebes	Jan. 1–31	2		
Bureau County—				
Ladd	Nov. 1–30	4		
Christian County—				
Taylorville	Aug. 1–Jan. 20	40		
Clinton County—				
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–Apr. 3	10		
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		
Fulton County—				
Canton	Jan. 1–Feb. 28	55		
Cuba	Jan. 1–31	1		
Lewiston	Jan. 1–31	6		
Jackson County—				
Murphysboro	Jan. 1–31	45	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–31	1		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–Apr. 17	8		
Lake County—				
Waukegan	Feb. 2–26	3		
McLean County—				
Bloomington	Jan. 1–31	5		
Macon County—				
Decatur	Jan. 1–31	8		
Macoupin County—				
Benld	Feb. 15–18	2		
Palmyra	Dec. 25–Jan. 20	4		
Scottsville	Dec. 25–Jan. 20	12		
Madison County—				
Alton	Mar. 1–31	1		
Marion County—				
Centralia	July 1–Jan. 20	53		
Odin	Jan. 1–31	1		
Sandoval	Jan. 1–31	1		
Mason County	Jan. 1–31			Present in Havana and Quiver townships.
Massac County—				
Metropolis	Jan. 1–31	1		
Mercer County	Jan. 1–31	1		In North Henderson township.
Montgomery County	Jan. 1–31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5–11	1		
Peoria County—				
Peoria	Dec. 20–Apr. 3	43		Present in Glasford and in Timber and Trivoli townships.

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-31	3		
Mound City	Jan. 1-31	7		
Randolph County—				
Percy	Jan. 1-31	1		
St. Clair County—				
Belleville	Dec. 4-20	3		Present in January.
Mascoutah	Jan. 1-31	1		
Millstadt		1		
Saline County—				
Eldorado	Jan. 1-31	1		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Springfield	Mar. 20-Apr. 16	9		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Tazewell County	Jan. 1-31			Present in Elm Grove township.
Pekin	Jan. 1-31	28		
Vermilion County—				
Danville	Jan. 11-Apr. 18	39		
Williamson County—				
Carterville	Jan. 1-31	2		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-31	6		
Total for State		728	1	
Indiana:				
Allen County	Dec. 1-31	1		
Fort Wayne	Jan. 10-Apr. 17	6		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Dec. 31	4		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-31	26		
Clay County	Oct. 1-31	8		
Dearborn County	Oct. 1-31	1		
Delaware County	Dec. 1-31	52		
Muncie	Mar. 27	1		
Elkhart County	Oct. 1-Nov. 30	7		
Elkhart	Jan. 17-Mar. 6	8		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-31	1		
Grant County	Dec. 1-31	2		
Union	Feb. 6	5		
Hamilton County	Dec. 1-31	1		
Harrison County	Dec. 1-31	1		
Hendricks County	Nov. 1-Dec. 31	5		
Madison County	Oct. 1-31	1		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-Apr. 18	7		
Miami County	Dec. 1-31	1		
Rush County	Dec. 1-31	24		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-31	1		
St. Joseph County	Dec. 1-31	12		
South Bend	Mar. 23-Apr. 3	2		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Dec. 31	77		
Lafayette	Dec. 15-Apr. 19	63	1	
Tipton County	Nov. 1-Dec. 31	2		
Vanderburg County—				
Evansville	Jan. 10-Feb. 20	10		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-31	7		
Wayne County	Nov. 1-30	8		
Total for State		364	1	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Cedar Rapids	Mar. 1-31	13		
Council Bluffs	July 1-Apr. 12	33	2	
Davenport	Apr. 12-18	1		
Dubuque	Oct. 1-Jan. 31	87	1	
New Hampton	Feb. 26	8		
Total for State		143	5	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas:				
Allen County	Jan. 1–31	6		
Atchison County—				
Atchison	Dec. 20–Jan. 16	2		
Barton County	Nov. 1–30	7		
Bourbon County	Nov. 1–30	1		
Brown County	Nov. 1–Jan. 31	50		
Cherokee County	Jan. 1–31	22		
Crawford County	Jan. 1–31	7		
Pittsburg	Nov. 1–Dec. 31	107		
Decatur County	Jan. 1–31	1		
Ford County	Jan. 1–31	2		
Franklin County	Dec. 1–31	1		
Harvey County	Nov. 1–Dec. 31	4		
Jackson County	Nov. 1–Dec. 31	95		
Jefferson County	Dec. 1–Jan. 31	15		
Jewell County	Dec. 1–31	2		
Labetta County—				
Parsons	Jan. 1–31	3		
Bane County	Jan. 1–31	4		
McPherson County	Jan. 1–31	1		
Marshall County	Jan. 1–31	1		
Montgomery County	Nov. 1–Jan. 31	19		
Nemaha County	Dec. 1–31	2		
Phillips County	Dec. 1–Jan. 31	5		
Pottawatomie County	Nov. 1–Dec. 31	36		
Pratt County	Dec. 1–31	20		
Reno County	Nov. 1–Jan. 31	4	1	
Riley County	Nov. 1–30	2		
Rooks County	Jan. 1–31	3		
Saline County	Nov. 1–Jan. 31	48		
Sedgwick County—				
Wichita	Mar. 7–Apr. 10	10		
Shawnee County	Nov. 1–Jan. 31	27		
Topeka	June 7–Apr. 3	128		
Sheridan County	Dec. 1–Jan. 31	11		
Stafford County	Dec. 1–31	1		
Sumner County	Nov. 1–Dec. 31	8		
Thomas County	Jan. 1–31	2		
Wallace County	Jan. 1–31	2		
Waubaunsee County	Jan. 1–31	3		
Wilson County	Nov. 1–30	5		
Wyandotte County—				
Kansas City	Jan. 3–Apr. 24	55		
Total for State		722	1	
Kentucky:				
Anderson County	Oct. 1–Jan. 20	200	1	Including Lawrenceburg.
Berea	Feb. 1–Apr. 2	20		
Covington	Dec. 29–Apr. 24	34		
Fulton	Feb. 1–Mar. 22	27		
Georgetown	Dec. 2–Mar. 4	31		
Henderson		7		Jan. 1–June 30, 1908.
Lexington	Dec. 28–Apr. 10	42		
Newport	July 1–Apr. 10	68	1	Jan. 1–June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24–Apr. 3	44		
Total for State		473	2	
Louisiana:				
Alexandria	Feb. 1–28	9		
Arcadia Parish	Dec. 20–Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20–Apr. 17	34		Mainly imported.
Shreveport	Jan. 1–20	32	1	
Winnfield	Jan. 1–Mar. 24	33		And vicinity.
Total for State		138	1	
Maine:				
Cyr plantation	Oct. 16–24	11		
Frenchville	Nov. 11–Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16–Dec. 12	26		
St. Agatha	Oct. 24–Dec. 26	9		
St. David	Dec. 13–19	1		
Upper Frenchville	Oct. 25–Nov. 11	2		
Van Buren	Oct. 18–Feb. 6	94		
Total for State		145		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Maryland:				
Baltimore	Jan. 30–Feb. 6	1		
Total for State		1		
Massachusetts:				
Boston	Mar. 14–20	2		
Haverhill	Mar. 14–20	1		
Lawrence	Mar. 7–13	1		
New Bedford	Jan. 30–Mar. 13	3	1	
Taunton [a]				
Total for State		7	1	
Michigan:				
Barry County	Nov. 1–Dec. 31	5		
Cheboygan County	Dec. 1–31	4		
Delta County	Nov. 1–30	1		
Eaton County	Dec. 1–31	1		
Ingham County—				
Lansing	Nov. 1–Dec. 31	11		
Ionia County	Dec. 1–31	2		
Kalamazoo County	Dec. 1–31	3		
Kent County—				
Grand Rapids	Jan. 24–Feb. 20	2		
Lapeer County	Dec. 1–31	2		
Macomb County	Nov. 1–30	1		
Manistee County	Nov. 1–30	2		
Menominee County	Dec. 1–31	1		
Muskegon County	Nov. 1–Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16–Apr. 10	15		
St. Clair County	Nov. 1–Dec. 31	2		
Port Huron	Nov. 1–Dec. 5	3		
Wayne County—				
Detroit	Jan. 10–Mar. 27	7		
Wexford County	Dec. 1–31	2		
Total for State		83		
Minnesota:				
Becker County	Dec. 7–13	1		
Benton County	Oct. 26–Nov. 2	1		
Brown County	Oct. 30–Nov. 23	11		
Carver County	Dec. 7–13	6		
Cass County	Oct. 12–Dec. 7	1		
Chippewa County	Nov. 3–9	1		
Cottonwood County	Oct. 20–26	1		
Dodge County	Nov. 24–Dec. 7	2		
Faribault County	Dec. 7–13	1		
Hennepin County	Oct. 6–12	1		
Minneapolis	Nov. 1–April 10	95		
Hubbard County	Oct. 19–Dec. 7	11		
Jackson County	Dec. 7–13	1		
Lac qui Parle County	Nov. 2–Dec. 13	3		
Lyon County	Nov. 16–Dec. 13	2		
Morrison County	Nov. 20–Dec. 13	20		
Nicolett County	Nov. 16–Dec. 13	3		
Norman County	Dec. 7–13	5		
Pipestone County	Dec. 7–13	6		
Ramsey County	Nov. 16–Dec. 7	2		
St. Paul	Oct. 6–Dec. 13	57		
Renville County	Dec. 1–7	1		
St. Louis County—				
Duluth	Nov. 9–Apr. 22	14		
Sibley County	Dec. 7–13	9		
Stearns County	Nov. 9–Dec. 7	4		
Steele County	Oct. 20–Dec. 7	4		
Stevens County	Nov. 9–Dec. 13	12		
Todd County	Nov. 9–Dec. 13	3		
Wabasha County	Nov. 2–Dec. 7	10		
Wadena County	Nov. 2–Dec. 13	15		
Saseka County	Oct. 26–Dec. 7	9		
Washington County	Nov. 24–30	1		
Stillwater	Dec. 1–31	3		
Winona County	Dec. 1–7	1		
Winona	Dec. 1–Feb. 28	8		
Yellow Medicine County	Oct. 20–26	1		
Total for State		325		

[a] One case of smallpox, erroneously reported by local health officer, appeared in Public Health Reports, January 22 to April 23.

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mississippi:				
De Soto County	Nov. 1–Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24–Mar. 20	12		
Liberty	Jan. 15–Mar. 11	20		
Rich Hill	Dec. 5–31	4		
St. Joseph	Dec. 1–31	1		
St. Louis	Dec. 20–Apr. 17	28		
Springfield	Nov. 1–Feb. 28	3		
Total for State		68		
Montana:				
Beaverhead County	Feb. 1–28	2		
Carbon County	Feb. 1–28	1		
Cascade County	Nov. 1–Jan. 31	6		
Chouteau County	Jan. 1–Feb. 28	4		
Dawson County	Dec. 31–Jan. 31	20		
Fergus County	Dec. 31–Feb. 28	30		
Flathead County	Nov. 1–30	1		
Gallatin County	Nov. 1–Jan. 31	19		
Bozeman	Nov. 1–Feb. 28	19	1	
Granite County	Jan. 1–31	4		
Jefferson County	Nov. 1–30	4		
Madison County	Dec. 1–31	2		
Missoula County	Jan. 1–31	12		
Missoula	Jan. 1–Feb. 28	5		
Park County	Jan. 1–31	6		
Powell County	Jan. 1–Feb. 28	15		
Ravalli County	Nov. 1–Dec. 31	14		
Sanders County	Jan. 1–Feb. 28	11		
Silverbow County	Nov. 1–Feb. 28	14		
Butte	Mar. 16–Apr. 13	36		
Yellowstone County	Nov. 1–30	1		
Billings	Jan. 1–31	1		
Total for State		227	1	
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1–Mar. 31	22		
South Omaha	Dec. 20–Apr. 10	14		
Total for State		37		
New Hampshire:				
Hinsdale	Nov. 1–Dec. 15	6		
West Chesterfield	Nov. 1–Dec. 15	1		
West Lebanon	Jan. 15–Feb. 7	2		
Westmoreland	Nov. 1–Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21–Apr. 24	14		
Hightstown	Mar. 3	1		
Lodi	Apr. 15	1		
New Brunswick	Mar. 7–Apr. 5	7		
Paterson	Mar. 16–Apr. 2	8		
Perth Amboy	Mar. 4–31	26		
Plainfield	Mar. 7–Apr. 10	6		
Woodbridge	Mar. 6–26	1		
Total for State		64		
New York, general	Nov. 1–Feb. 28	201	1	Including Amsterdam, Bridgeport, Broome, Cicero, Gardiner, and Middleburg.
Buffalo	Feb. 14–Mar. 20	4		
Mohawk Valley			1	Year 1908.
New York	Feb. 21–Apr. 3	6	1	
Niagara Falls	Feb. 7–13	1		
Rome	Jan. 1–31	1		
Schenectady	Feb. 7–13	1		
Syracuse	Jan. 9–31	3		
Total for State		217	3	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina:				
Ashe County	Jan. 1-31	7		
Bertie County	Nov. 1-30	1		
Camden County	Jan. 1-31	30		
Catawba County	Nov. 1-Dec. 31	4		
Currituck County	Nov. 1-Jan. 31	34		
Duplin County	Dec. 1-Jan. 31	60		
Edgecombe County	Dec. 1-31	1		
Johnston County	Nov. 1-Jan. 31	13		
Jones County	Jan. 1-31	3		
Lenoir County	Dec. 1-31	20		
Lincoln County	Dec. 1-31	1		
Madison County	Jan. 1-31	2		
Nash County	Jan. 1-31	1		
New Hanover County— Wilmington	Jan. 22-Mar. 1	4		Imported.
Pasquotank County	Nov. 1-Jan. 31	79		
Pitt County	Jan. 1-31	2		
Sampson County	Jan. 1-31	22		
Scotland County	Jan. 1-31	6		
Wayne County	Jan. 1-31	20		
Total for State		310		
North Dakota	July 1-Feb. 19	168		
Ward County	Jan. 12-Mar. 31	27		
Sherwood	Jan. 12-Mar. 31	46		
Total for State		241		
Ohio, general	June 14-Jan. 2	337		
Ashtabula	Apr. 11-17	3		
Cincinnati	Dec. 12-Apr. 23	214	1	
Cleveland	Feb. 28-Apr. 16	5		
Columbus	Dec. 26-Mar. 2	14		Revised. 3 cases additional in Sept. and Oct.
Dayton	Jan. 24-Feb. 20	5		
Newark		3		Year 1908.
Tiffin	Jan. 3-23	2		
Total for State		583	1	
Oregon:				
Clackamas County	Sept. 1-30	1		
Harney County	Sept. 1-30	1		
Jackson County	Oct. 1-Dec. 31	9		
Lane County	Dec. 1-31	10		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Dec. 31	4		
Multnomah County	Dec. 1-31	5		
Portland	Nov. 1-Feb. 28	91		
Polk County	Sept. 1-Dec. 31	9		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-Dec. 31	6		
Wallowa County	Oct. 1-31	1		
Washington County	Oct. 1-Dec. 31	23		
Yamhill County	Sept. 1-Dec. 31	17		
Total for State		183		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Castle	Feb. 1-28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 10-25	1		
Pittsburg	Dec. 13-19	1		Imported.
Prompton	Jan. 2-Feb. 10	3		
Total for State		11		
South Carolina:				
Winnsboro	Feb. 1-28	5		
Total for State		5		
South Dakota:				
Aberdeen	May 1-Jan. 31	43		
Total for State		43		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Tennessee:				
Fayette County	Dec. 1–Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28–Apr. 17	23		
Memphis	Jan. 1–Mar. 13	190	1	
Murfreesboro	Mar. 15–31	1		
Nashville	Dec. 20–Apr. 24	45		
Polk County	Jan. 22	30		
Total for State		592	1	
Texas:				
Corpus Christi	Apr. 2			Present.
Cost	Oct. 1–Dec. 19			Do.
Cotulla	Jan. 25–Feb. 17			Do.
Denton County	Jan. 1–Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10–Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1–Mar. 31	13		
Galveston	Mar. 6–Apr. 16	8		
Goliad County	Dec. 1–Jan. 20	25		
Houston	Jan. 1–Mar. 27	9		
Laredo	Dec. 26–Mar. 19	6		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–Apr. 17	89		
San Augustine County	Jan. 5			Do.
Total for State		435	1	
Utah:				
Beaver County	Feb. 1–28	2		
Carbon County	Feb. 1–28	1		
Cache County	Jan. 1–Feb. 28	62		
Davis County	Nov. 1–Feb. 28	32		
Emery County	Feb. 1–28	4		
Garfield County	Dec. 1–Feb. 28	26		
Millard County	Jan. 1–31	1		
Salt Lake County	Dec. 1–Feb. 28	162		
Salt Lake City	Dec. 1–Mar. 31	334	1	
Sanpete County	Dec. 1–31	1		
Sevier County	Jan. 1–Feb. 28	76		
Summit County	Dec. 1–Feb. 28	32		
Utah County	Dec. 1–31	1		
Weber County	Nov. 1–Feb. 28	6		
Total for State		740	1	
Vermont:				
Brattleboro	Dec. 5–Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor Township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Richmond	Mar. 14–Apr. 10	2	1	Death in county hospital.
Total for State		12	1	
Washington:				
Bellingham	Jan. 25–Mar. 23	10		
Camas	Dec. 29–Mar. 8	18		
Seattle	Oct. 1–Feb. 28	18		
Spokane	Dec. 6–Apr. 10	18	1	
Tacoma	Dec. 14–Mar. 14	60		
Total for State		124	1	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville				Present in January.
St. Albans	Feb. 16–Apr. 12	19		
Weston	Jan. 15–Feb. 13	1		
Total for State		21		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin:				
Adams County	July 1–Sept. 30	3		
Barron County	July 1–Sept. 30	1		
Chippewa County	July 1–Sept. 30	6		
Dane County	July 1–Sept. 30	1		
Dodge County	July 1–Sept. 30	1		
Douglas County	July 1–Sept. 30	28		
Dunn County	July 1–Sept. 30	1		
Fond du Lac County	July 1–Sept. 30	3		
Green County	July 1–Sept. 30	2		
Iron County	July 1–Sept. 30	2		
Kewaunee County	July 1–Sept. 30	1		
La Crosse County—				
La Crosse	Dec. 13–Apr. 17	47		
Manitowoc County—				
Manitowoc	Dec. 13–Feb. 27	14		
Marathon County	July 1–Sept. 30	2		
Milwaukee County—				
Milwaukee	Dec. 6–Apr. 17	172		
Monroe County	July 1–Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6–Apr. 17	3		
Ozaukee County	July 1–Sept. 30	3		
Pierce County	July 1–Sept. 30	4		
Polk County	July 1–Sept. 30	1		
Racine County—				
Racine	Mar. 21–Apr. 10	6		
Rusk County	July 1–Sept. 30	3		
Sheboygan County	July 1–Sept. 30	32		
Total for State		358		
Grand total for the United States		8,209	29	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Altoona, Pa.	Apr. 17	38,973	20	6	1			2							
Ann Arbor, Mich.	do	14,509	7							3	1	3		2	
Appleton, Wis.	Apr. 19	15,085	4	1						1					
Ashtabula, Ohio	Apr. 17	12,949	4					1							
Baltimore, Md.	do	508,957	243	20	28	5	2	7		12		159		2	3
Bath, Me.	do	10,477						2							
Bayonne, N. J.	do	32,722		7				1		5		6			
Beaver Falls, Pa.	do	13,000				3						1			
Berkeley, Cal.	Apr. 10	13,214	11	1	3	1		1		1		4			
Biddeford, Me.	Apr. 17	16,145	2												
Biloxi, Miss.	do	5,467	1												
Binghamton, N. Y.	do	38,647	8		7										
Boston, Mass.	do	560,892	244	51	22	6		57	4	49	4	68	4	14	2
Braddock, Pa.	do	15,654	5							1		1			
Bradford, Pa.	do	15,029	5					3							
Bridgeport, Conn.	Apr. 8	70,996	20	4	1			7		6		9			
Do.	Apr. 14	70,996	28	1	7			6	1	3	2	5	1		
Bristol, R. I.	Apr. 17	6,628	4							2	1			3	
Brockton, Mass.	do	40,063	12			2		2				87	1		
Butler, Pa.	Apr. 7	10,853	6					1							
Do.	Apr. 14	10,853	5	6								3			
Butte, Mont.[a]	Mar. 30	30,470	10		3			12	2	1					
Do.	Apr. 13	30,470	8					4	1	2					
Cambridge, Mass.	Apr. 17	91,886	25	4	4			13		9		32		15	
Camden, N. J.	do	75,935	37	1				10		4	1				

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Camden, S. C.	Apr. 17	2,441	1									4			
Carbondale, Pa.	do	13,536	7	1	1			1		1					
Charlotte, N. C.	Apr. 16	15,091	11		1							13	1		
Chelsea, Mass.	Apr. 17	34,172	13		1			2				2			
Chicago, Ill.	do	1,698,575	735	82	83	23	6	133	6	107	11	268	5	23	2
Chicopee, Mass.	do	19,167	8												
Cincinnati, Ohio	Apr. 16	325,902	116	26	13	1	1	7	1	4		13		4	1
Cleveland, Ohio	do	381,768	155	36	14	5	2	11		21	1	43	1	19	1
Clinton, Mass.	Apr. 17	13,667	5												
Columbus, Ga.	do	17,614	5												
Columbus, Ohio	do	125,560	49	21	3	2		5				16			
Concord, N. H.	Apr. 10	19,632	16	1	1					2		71			
Covington, Ky.	Apr. 17	42,938	16		5					1					
Danville, Ill.	Apr. 11	16,534	5					2				1			
Do.	Apr. 18	16,534	9		4			6		2					
Davenport, Iowa	do	35,254		1	2			1		3		11			
Dayton, O.	Apr. 17	85,333	27		3			1		5		15			
Detroit, Mich.	do	285,704	134					9		12					
Duluth, Minn.	Apr. 15	80,000	13				1	11	1	6		11			
Dunkirk, N. Y.	Apr. 17	11,616	7												
Elmira, N. Y.	do	35,672	11		1		1	3				2			
El Paso, Tex.	Apr. 13	15,905	29		6	3		4				6			
Do.	Apr. 20	15,905	22	5	9			2				3		1	
Elkhart, Ind.	Apr. 17	15,184	9							1	1	1			
Erie, Pa.	do	52,733	25	4	2						1	52	1	9	1
Evansville, Ind.	do	59,007	25		2	3				2	1	1			
Everett, Mass.	do	24,336	6	1				4		2					
Fall River, Mass.	do	104,863	42	7	4	1		4		3		2		1	1
Fort Wayne, Ind.	Apr. 13	45,115	20		1		1	3		1				1	
Do.	Apr. 17	45,115	23		2			3		3					
Galesburg, Ill.	do	18,617	3												
Galveston, Tex.	Apr. 9	37,789	9	1		3	1			2					
Do.	Apr. 16	37,789	11	1	1	6	1			1					
Glens Falls, N. Y.	Apr. 17	13,543	3									12			
Gloucester, Mass.	do	26,121	3												
Grand Rapids, Mich.	do	87,565	25	1	1	4		15	1	2		5		5	
Great Falls, Mont.	Apr. 10	14,930	7					8	1	4		2			
Do.	Apr. 17	14,930	6					13		6					
Greensboro, N. C.	do	10,035	7												
Hammond, Ind.	do	12,376	4									15			
Harrison, N. J.	do	10,596	2	2				1		1					
Haverhill, Mass.	do	37,175	15		1					2		1			
Hartford, Conn.	Apr. 11	79,850	24	1		1	1	6		2					
Hoboken, N. J.	Apr. 17	59,364						5	1	5	1	2			
Homestead, Pa.	Apr. 14	12,554	5		2							6			
Hyde Park, Mass.	Apr. 17	13,244	2											2	
Indianapolis, Ind.	Apr. 18	169,164	49	3	3		1	10	1	6		107	1		
Jacksonville, Fla.	Apr. 17	28,429	18		3	3		1				1			
Johnstown, Pa.	do	35,936	20		2			11		2		7			
Kansas City, Kans.	do	51,418		2	3	2		2	1	2		17			
Kansas City, Mo.	do	163,752	59		4		1	18	1	5	1	14			
Kearny, N. J.	do	10,896	5	3	4					2					
Kingston, N. Y.	do	24,535	12		2										
Knoxville, Tenn.	do	32,637	10	4	4							10			
La Crosse, Wis.	do	28,895	5		1										
La Fayette, Ind.	Apr. 19	18,116	4							1		7			
Lancaster, Pa.	Apr. 17	41,459	14					4		2	1				
Lawrence, Mass.	do	62,559	24	3	1	2		1		3	2	31	1		
Leavenworth, Kans.	Mar. 20	20,733	11	1	1										
Do.	Mar. 27	20,733	5									1			
Do.	Apr. 3	20,733	9			1						3			
Do.	Apr. 10	20,733	4							1		6			
Do.	Apr. 17	20,733	3									1			
Lebanon, Pa.	do	17,628			1			2		1		5			
Lexington, Ky.	do	26,369	9							2				3	
Los Angeles, Cal.	Apr. 10	102,479	59	33	9	5		20		4		1			
Lowell, Mass.	Apr. 17	94,969	39	8		1				3	1	1			
Lynchburg, Va.	do	18,891						1						1	
Lynn, Mass.	Apr. 10	68,513	31		1			6		5		2			
Do.	Apr. 17	68,513	19		2	1		4		6	1				
Macon, Ga.	Apr. 18	22,746	5	1	1									5	
Malden, Mass.	Apr. 17	33,664	17	5	1			11		3		7		1	

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Manchester, N. H.	Apr. 17	56,987	24	2	2	1	1	1		1		2			
Manitowoc, Wis.	do	11,786	5		1										
Mansfield, Ohio	do	17,650						1		2		1			
Marinette, Wis.	do	16,195	4					1							
Massillon, Ohio	Apr. 18	11,944	4												
Medford, Mass.	Apr. 17	18,244	6					5		2					
Melrose, Mass.	do	12,962	6					2		1				8	
Milwaukee, Wis.	Apr. 10	285,315	117	18	10	5	5	24	1	13	2	56		3	
Do	Apr. 17	285,315	105	22	12	3	1	19	3	16	6	81		2	
Minneapolis, Minn.	Apr. 3	202,718	75	14	13	4	1	14	1	31	3				
Do	Apr. 10	202,718	72	9	5		2	11	1	13	1				
Mobile, Ala.[a]	Mar. 13	38,469	19		3										
Do	Apr. 10	38,469	22		3										
Do	Apr. 17	38,469	24		5		1								
Montclair, N. J.	do	13,962	9		1			1				8			
Montgomery, Ala.	Apr. 16	30,346	11		2										
Moline, Ill.	Apr. 18	17,248	7						1			12			
Morristown, N. J.	Apr. 17	13,000	6									4			
Mount Vernon, N. Y.	do	21,228	7	13	1							12			
Muncie, Ind.	do	20,942	2			1								1	
Nanticoke, Pa.	Apr. 18	12,616										28			
Nashville, Tenn.	Apr. 17	80,865	46	3	7										
Nebraska City, Nebr.	do	7,200	3		1			1							
Newark, N. J.	do	246,070	120		20	3	1	59	1	16	2				1
New Bedford, Mass.	do	63,442	28	3	4		1		3		1				4
Newburyport, Mass.	do	14,478	5	3											
New London, Conn.	do	17,548	7			1								1	
New Orleans, La.	Apr. 10	278,104	121	26	9	11	3	97	3	6	1				
Do	Apr. 17	278,104	134	14	21	4	1	110	1	12	1				2
Newport, Ky.	Mar. 27	28,301	17		2			1							
Do	Apr. 3	28,301	8					1							
Do	Apr. 10	28,301	9		1		1								
Newton, Mass.	Apr. 17	33,587	14					4		3	1	21			
New York, N. Y.	do	3,437,202	1,705	601	201	17	3	379	23	316	41	1,224	45	63	8
Niagara Falls, N. Y.	do	19,457	7		3	1		2		2	1				
Norristown, Pa.	do	22,265	5			2						16		2	
North Adams, Mass.	do	24,200	6					1				1			
Northampton, Mass.	do	18,643	11					1				5			
Oakland, Cal.	Apr. 12	66,960	24	3		1		1		1	1	8	1		
Orange, N. J.	Apr. 17	24,141	13	2	1			5	1	2					
Paducah, Ky.	do	19,446	9	7	3										
Passaic, N. J.	Apr. 16	27,777	24	1				2		1		15		2	
Peekskill, N. Y.	Apr. 17	10,358	6												
Pittsburg, Pa.	Apr. 10	321,616	160	52	8	10	4	15	3	2		14	2	35	1
Do	Apr. 17	321,616	169	47	17	20	2	10	4	9	1	24	1	36	2
Pittsfield, Mass.	do	21,766	14	1	1			2				1			
Plainfield, N. J.	Apr. 10	15,369	7	2	2			3							
Do	Apr. 17	15,369	5	2											
Portsmouth, N. H.	do	10,637								2	1				
Portsmouth, Va.	Apr. 20	17,427	9		1			1				1			
Pottstown, Pa.	Apr. 17	13,696	6			1					1				
Providence, R. I.	do	175,597	73	9	9	1		7	1	6	1				
Racine, Wis.	do	29,102	15		2			1	1						
Reading, Pa.	Apr. 19	78,961	34	1				2		2					
Richmond, Va.	Apr. 17	85,050	59	4	7	5						1			
Rockford, Ill.	Apr. 10	31,051						1		1					
Do	Apr. 17	31,051						2							
Sacramento, Cal.	Apr. 10	29,282	12		2							4			
Saginaw, Mich.	do	42,345	19	1	1	1	1	1				1			
St. Louis, Mo.	do	575,238	224	69	21	5		27	2	37	6	380	7	4	
Do	Apr. 17	575,238	239	53	27	3	1	23		33	5	481	5	4	
San Antonio, Tex.	do	53,321				1						3			
San Francisco, Cal.	Apr. 10	342,782	101	25	18	1		11		18	3	28		6	
San Jose, Cal.	do	21,500	7												
Scranton, Pa.	do	29,282	41	1	2	1		6		3	1	20		4	
Do	Apr. 17	29,282	40	1	4			6	1	6	1	21	1		
Shamokin, Pa.	do	18,202	8	1	1	1		7				21			
Somerville, Mass.	Apr. 10	61,643	26	3	1	1		6	1	5	1	11	1		
Do	Apr. 17	61,643	12	1				7		9		21			
South Bend, Ind.	do	35,999	12	1	1			2	1	5					
S. Bethlehem, Pa.	do	13,241	4	1		1		1				13	1	1	

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Spokane, Wash	Apr. 3	38,848	31		3			21	3	4		45			
Do	Apr. 10	38,848	34		3		1	22	3	8		51			
Springfield, Ill	Apr. 9	34,159	18							1		1			
Do	Apr. 16	34,159	17					1		3					
Springfield, Mass	Apr. 17	62,059	29	1	2			2		6	1	1		2	
Springfield, Ohio	do	38,253	9	2	2							2			
Superior, Wis	do	31,091	3					10		2					
Taunton, Mass	do	31,036	9					4				2			
Terre Haute, Ind	do	36,673	24		6	1	1	1							
Titusville, Pa	do	8,244	6			1		2							
Trenton, N. J	do	73,307		2		3				2					
Walla Walla, Wash	do	10,049	5	3	1			4		1					
Waltham, Mass	do	23,481	5	1				6		3		24			
Warren, Pa	Apr. 5	8,043	2	1	1							1			
Do	Apr. 12	8,043	4					1							
Washington, D. C	Apr. 17	278,718	147	25	17	12	3	20		3		164		10	
Weymouth, Mass	do	11,324	4		1										
Wichita, Kans	Apr. 10	24,671						6				51	1		
Wilkes-Barre, Pa	Apr. 9	51,721	29	5				5	1	4		121		7	
Do	Apr. 16	51,721	28		2	1		2		7		78	1	1	
Wilkinsburg, Pa	Apr. 21	13,000	3	1				1		1		1		1	
Williamsport, Pa	Apr. 17	28,757	6					2		1					
Wilmington, Del	do	76,508	38		6						2				1
Winona, Minn	Apr. 20	19,714	6												
Woburn, Mass	Apr. 17	14,254	2												
Yonkers, N. Y	Apr. 15	47,931	27	3	3			8			1	7			
York, Pa	Apr. 17	33,708		5		1		5							
Zanesville, Ohio	do	23,538	7	1	1	3									

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, March 31, 1901.]

CHOLERA.

RUSSIA.—March 21. The Don Territory declared free from cholera.

PLAGUE.

EGYPT.—March 18. Plague regulations in force against Calicut.

ALGERIA.

Deratization at Algiers—Rat fleas.

The following is taken from the *Bulletin Bimensuelle*, Algiers, March 31:

Algiers.—March 16–31: Rodents taken by the maritime sanitary service, 556; examined by the laboratory of health, 114; result, negative. Classification of rats: *Mus norvegicus*, 384; *Mus rattus*, 86; *Mus musculus*, 86. Rat fleas determined—*Pulex cheopis* on *Mus decumanus* 29, on *Mus rattus* 10; *Ctenophysylla musculi* on *Mus decumanus*, 15; *Ceratophyllus* on *Mus decumanus*, 15.

AZORES.

Report from St. Michael—Plague on Island of Fayal.

Consul Creevey reports, April 1:

A telegram just received from Consular Agent Benarus, at Fayal, states: One new case of bubonic plague reported to-day.

BARBADOS.

Reports from Bridgetown—Inspection and fumigation of vessels—Status of yellow fever.

Acting Assistant Surgeon Urquhart reports, April 10:

Week ended April 10. Bills of health issued to 10 vessels. Of this number, 2 were fumigated. Total number of passengers, 31; members of crews, 334.

Three new cases of yellow fever were reported during the week, all in the country and all negroes.

Consul Martin reports, April 3 and 10:

Since report of March 27, 3 cases of yellow fever have been reported, 1 each in the parishes of St. Thomas, St. Johns, and

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St. Lucy. Two of these cases were fatal. The last case was isolated March 31. The health of the city of Bridgetown and vicinity is excellent.

April 10, 3 more cases of yellow fever have been reported, 2 in the parish of St. Lucy, at the extreme north of the island, and 1 in the parish of St. Michael, in which the city of Bridgetown is situated. The last case was isolated April 8.

BRAZIL.

Report from Rio de Janeiro—Inspection of vessels—Plague and smallpox.

Acting Assistant Surgeon Stewart reports, March 28:

Two weeks ended March 28. Vessels inspected and issued bills of health: March 17, the British steamship *Bosetti*, for New York, in cargo of coffee, with no cabin passengers, 7 steerage passengers, and no change in the crew personnel; March 18, the British steamship *Verdi*, for New York, with cargo of coffee, 12 cabin passengers, and 1 new member of the crew signed on in this port; March 19, the British steamship *Susquehanna*, for New Orleans, with coffee, no passengers and no change in the personnel, and the British steamship *Tocantins*, for the same port, with coffee, no passengers and no change in the personnel; March 23, the British steamship *Grecian Prince*, for New York, in coffee cargo, with 3 cabin passengers, and no change in the crew, and on the same date the Portuguese bark *Felix Berta*, for New Orleans, with ballast and no passengers and no change in the crew personnel. No other vessels left this port.

Mortality—Plague and smallpox.—Week ended March 21. Total deaths, 269. Smallpox caused 9 deaths with 17 new reported cases, and 1 case of plague was reported. At the close of the week there were in the Hospital São Sebastião 37 cases of smallpox and 4 of plague under treatment.

Week ended March 28. Total deaths, 229. One case of plague reported. Smallpox caused 7 deaths with 25 new reported cases, of which number 4 were reported from the suburbs. Cases in Hospital São Sebastião, variola 41 and plague 4.

CHINA.

Report from Amoy—Inspection of vessels—Leprosy, plague, and smallpox—Epidemic plague at Chang Poo—Plague present at Chin Chew.

Passed Assistant Surgeon Foster reports, March 13:

During the week ended March 13, bills of health were issued to 2 steamships.

The following quarantinable diseases are reported in Amoy: Leprosy, smallpox, and plague. The number of cases of plague is unknown, as no record of cases or deaths is made in Amoy.

Plague is epidemic in the city of Chang Poo, Fukien Province, and sporadic cases of plague are reported in Chin Chew, a city about 50 miles from Amoy.

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Report from Hongkong—Quarantine restrictions—Plague and smallpox—Examination of emigrants—Inspection of vessels.

Acting Assistant Surgeon Hough reports, March 15:

Week ended March 6. Restrictions enforced by Hongkong remain as reported January 30.

Restrictions enforced against Hongkong remain as reported January 30.

Quarantinable disease: Plague, 3 cases, 2 deaths; smallpox, 3 cases, 1 death.

Aliens examined for Honolulu and Pacific coast ports: Examined, 294; rejected, 70.

Aliens examined for Philippine Islands: Examined, 3; rejected, 3.

Vessels inspected and granted bills of health, 9.

Report from Shanghai—Inspection of vessels—Plague-infected rats—Measures against infection of vessels by rats.

Acting Assistant Surgeon Ransom reports, March 16:

Week ended March 13. Supplemental bills of health granted to 2 steamships, with an aggregate personnel of 411. There were inspected 1 vessel, 57 members of crew, and 5 steerage passengers. There were also inspected 20 pieces of freight; 12 pieces (human hair) were disinfected with formalin. Manifests were viséed for 6,336 pieces of freight. Three emigrants for the United States per steamship *Chiyo Maru* were examined and passed; 2 were for San Francisco and 1 was for Honolulu. Seven pieces of baggage were inspected and passed and 2 pieces were disinfected.

The steamship *Ghazee* remained in this port 4 days, anchored in the stream. She was loaded from lighters during the entire 24 hours, rat guards being used on all lines.

The steamship *Chiyo Maru* remained in this port 56 hours, anchored at Woosung. She was loaded from lighters during daylight only. Inspection was held on the tender for the vessel at the hour of her sailing.

Infected rats continue to be found in practically all sections, particularly in the eastern district.

The precautions adopted by this office to prevent infection of vessels bound to American ports are being insisted upon, and to this end all vessels taking bills of health for American ports are required to remain in the stream while here and to use all possible measures to prevent rats gaining access to them.

Reports from Hankau show no cases or deaths from quarantinable disease reported during the week ended March 6.

CUBA.

Report from Habana—Inspection of vessels—Work of the mosquito brigade.

Passed Assistant Surgeon Amesse reports, April 19:

Week ended April 17.

Bills of health issued	21
Vessels inspected	1
Members of crews of outgoing vessels inspected	1,126
Passengers of outgoing vessels inspected	1,135

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No quarantinable disease has been reported for this period.

The work of the mosquito brigade in Habana has been carried on during the winter. For the past 5 weeks the number of deposits of larvæ has not averaged more than 1 in 700 houses inspected. In the larger interior towns the proportion has been about 1 in 300, while in the villages, where the crusade has not been carried on vigorously, mosquitoes are rather numerous.

Report from Matanzas—Inspection of vessels—Death of leprosy case.

Acting Assistant Surgeon Nuñez reports, April 19:

Week ended April 17. Bills of health were issued to 5 vessels clearing for ports in the United States, having an aggregate number of 121 members of crews and no passengers. All were in good sanitary condition.

The case of leprosy mentioned in my previous report died during the week. The history of this case shows that it was 1 of the 3 cases formerly reported as authorized by the sanitary authorities to remain at home properly isolated. (See Public Health Reports, April 23, 1909, p. 533.)

No other quarantinable disease has been reported during the week.

Report from Santiago—Inspection of vessels—Fatal case of leprosy.

Acting Assistant Surgeon Wilson reports, April 13:

Week ended April 10. Bills of health issued to 2 vessels bound for the United States. No vessel fumigated.

No new case of quarantinable disease. The 3 cases of leprosy previously reported are still under treatment.

(See Public Health Reports, April 2, 1909, p. 422, and April 16, p. 497.)

GREAT BRITAIN.

Report from London—Fatal case of laboratory plague at the Institute of Preventive Medicine.

Consul-General Wynne transmits the following report from Consul Martin, under date of April 7, of a case of plague which occurred at the isolated laboratories of the London Institute of Preventive Medicine, situated at Elstree, Hertfordshire, 15 miles from London, the information having been furnished by the director of the institute.

The laboratories had been placed at the disposal of the Advisory Committee for the Investigation of Plague in India, and the patient was one of the scientific staff, engaged in experiments.

How the physician infected himself is unknown. February 1 he became feverish and had a shivering fit. During the next day the fever increased and he suffered from severe headache, but the real nature of his illness was not at first suspected. February 3 he developed pneumonia, and plague bacilli were discovered in his sputum. The pneumonic symptoms increased in severity and the degree of depression became profound. He died February 4.

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GUATEMALA.

Report from Puerto Barrios, fruit port—Water supply—Stegomyia.

Acting Assistant Surgeon Ames reports as follows:

Week ended April 10, 1909. Present officially estimated population, 250. General sanitary condition of this port and the surrounding country during the week, very good. No quarantinable disease present.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Apr. 7	Corinto	New Orleans	28	17	2	0
10	Frutera	New York via Republic of Panama.	29	5	0	0

Ships load at dock day and night. Length of dock, over 900 feet. Temperature taken of all persons on steamship *Corinto* day of sailing. Result, normal.

Water supply at Puerto Barrios.—Piped from a distance; supply is inadequate. Rain water stored in containers, some of which are properly screened, others open. Officials and others interested have promised the regular oiling of all water containers which are not screened. *Stegomyia calopus* present.

HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, in temporary charge, reports, April 5:

HONOLULU.

Week ended April 3.

Total rats taken	535
Trapped	535
Found dead	0
Examined bacteriologically	464
Plague infected	0
Classification of rats trapped:	
Mus alexandrinus	78
Mus musculus	206
Mus norvegicus	143
Mus rattus	108
Average number of traps set daily	1,476
Number of poisons placed (barium carbonate)	60

HONDURAS.

Reports from Ceiba, fruit port—Stegomyia calopus and Anopheles present—Sanitary measures not strictly enforced.

Acting Assistant Surgeon Jumel reports:

Week ended April 14. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good.

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Stegomyia calopus present. Sanitary measures for local improvement not strictly enforced. Garbage carted out of town limits irregularly.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Apr. 9	Colombia	18	4	0	0
10	Navigator	19	1	2	0
12	Kong Frode	18	0	2	0
14	John Wilson	17	2	0	0

NOTE.—Temperature of all persons on above-named vessels taken at time of clearance.

Sanitary conditions at Ceiba not satisfactory—Precautions against introduction of smallpox—Malarial fever.

Doctor Jumel further reports, April 14:

The following is a report on the health and sanitary conditions prevailing in Ceiba.

Since last season the local population has been increased several hundred, making the present estimated population to be about 6,800. This increase does not materially change the health status, so far as yellow fever is concerned, inasmuch as the majority of the new inhabitants represent negro immigrants from neighboring republics.

In general the sanitary conditions are poor. The streets are not kept clean, garbage is removed from city limits in a desultory fashion and, sometimes, not at all, and the surface well water is contaminated by juxtaposition to numerous underground water-closets. The fecal contamination of the well water is deplorable in that nearly all the natives depend upon this supply for drinking purposes.

The dry season, now obtaining, the liberal use of crude oil in cesspools and water-closets, and the existence in town of few water tanks, screened or unscreened, accounts for the presence of so few *Stegomyia calopus* mosquitoes. *Anopheles* are numerous, but not nearly to the extent that they were last season.

Smallpox made its appearance during the early fall, but has been eliminated from the list of infectious diseases prevailing in the interior. Precautionary measures have been adopted and put into practice to prevent the introduction of this disease into Ceiba. Hundreds of people have been vaccinated in Ceiba and adjacent towns, and this important work goes on steadily.

Malaria is endemic here. The prevailing fevers are intermittent in character, with the tertian and quotidian types predominating. Remittent malaria is a rarity, and the quartan type not commonly observed. Tropical malaria, or double tertian, is seen occasionally. No malignant case of malarial fever has been observed during the interquarantine season. Dysentery, both simple and amebic, has prevailed for several months, and the latter has been the cause of not a few deaths.

Ceiba is at present free from all quarantinable disease.

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Report from Puerto Cortez, fruit port—Smallpox in interior.

Acting Assistant Surgeon Ames reports as follows: Week ended April 14. Present officially estimated population, about 2,500. General sanitary condition of this port and the surrounding country, good. Smallpox reported in far interior.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 7	Fjell	17		
9	John Wilson	18		
13	Bodo	18	3	
14	Utstein	16		
15	Viator	16		
14	Harry T. Inge	33	6	1

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

April 3 to 10. Present officially estimated population, about 1,500. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 1	Viator	New Orleans	17	0	0
Apr. 7	Colombia	Mobile	19	0	0

INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, March 25 and 31:

During the week ended March 20, a bill of health was issued to the steamship *Scharzfels*, bound for Boston and New York, with a total crew of 61; and to the steamship *Koranna*, bound for Boston and New York, with a total crew of 67. The usual precautions were taken: The holds fumigated; rat guards placed on the wharf lines; and the Asiatics' effects disinfected.

Week ended March 13. At Calcutta, 98 deaths from cholera, 85 from plague, and 264 from smallpox; in Bengal, 551 cases and 477 deaths from plague; in India, 5,797 cases and 4,593 deaths from plague.

Week ended March 20. At Calcutta, 101 deaths from cholera, 77 from plague, and 305 from smallpox. In Bengal, 612 cases of plague with 501 deaths. In India during the same period there were 5,933 cases of plague with 4,550 deaths.

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ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox at Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, April 5:

Vessels inspected at Naples and Palermo, week ended April 3.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 28	San Giovanni	New York	850	25	1,350
30	Campania	do	1,356	60	1,680
31	Romanic	Boston	1,204	160	1,350
Apr. 1	Sicania	New York			
2	König Albert	do	1,290	70	1,280
3	Germania	do	944	80	1,250
	Total		5,644	395	6,910

PALERMO.

Mar. 28	Nord America	New York	497	500	300
29	San Giovanni	do	984	1,300	260
31	Campania	do	702	905	340
	Total		2,183	2,705	900

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Measles.	Other causes.	Total.
Mar. 28	San Giovanni	19	4	10		4	37
30	Campania	29	5	18		8	60
31	Romanic	11	5	13	1	9	39
Apr. 1	Sicania						
2	Konig Albert	21	1	19		4	45
3	Germania	37	4	14		8	63
	Total	117	19	74	1	33	244

PALERMO.

Mar. 28	Nord America	23	16			7	46
29	San Giovanni	32	45			5	82
31	Campania	28	30			7	65
	Total	83	91			19	193

Vessels inspected at Naples and Palermo, week ended April 10.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Apr. 6	Duca di Genova	New York	1,318	70	1,350
6	Moltke	do	1,141	110	1,280
7	Perugia	do	455	20	580
7	Principe di Piemonte	do	1,100	60	1,250
8	Neckar	do	2,020	110	2,150
8	Virginia	do	1,283	70	1,450
9	Grosser Kurfürst	do			
10	Finland	do	1,162	90	1,750
10	Ancona	Philadelphia	2,328	130	2,580
	Total		10,807	660	12,390

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Vessels inspected at Naples and Palermo, week ended April 10—Continued.

PALERMO.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Apr. 8	Perugia	New York	578	708	184
8	Principe di Piemonte	do	512	675	210
	Total		1,090	1,383	394

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Measles.	Other causes.	Total.
Apr. 6	Duca di Genova	35	6	22	1		10	74
6	Moltke	22	3	15		1	9	50
7	Perugia	19	5	6	4		2	36
7	Principe di Piemonte	20	4	8			4	36
8	Neckar	43	11	17	1	1	16	89
8	Virginia	23	7	9	1		7	47
9	Grosser Kurfürst							
10	Finland	12	3	5			10	30
10	Ancona	47	2	32			18	99
	Total	221	41	114	7	2	76	461

PALERMO.

Apr. 8	Perugia	19		26			7	52
8	Principe di Piemonte	33		35			6	74
	Total	52		61			13	126

Smallpox at Naples.—Week ended April 4. Fifteen cases of smallpox with 2 deaths reported at the health office of the city of Naples. Week ended April 11. Four cases of smallpox.

Status of smallpox in Italy.—Week ended April 4. Villavesco (Milan), 1 case; Parma, 7; Cortile S. Martino, 3; Colorno, 1; San Secondo (Parma), 1; Cerignola (Foggia), 39; Messina, 2; Milazzo, 1; Tripi (Messina), 1.

JAPAN.

Reports from Yokohama—Inspection and fumigation of vessels—Plague-infected rats—Plague in February, 1909, on Awaji Island and in Kobe—Examination of emigrants.

Passed Assistant Surgeon Cumming reports, March 20, 29, and 31: Week ended March 20. Bills of health granted to 5 steamships, 2 bound for Manila and 1 each to New York, Seattle, and San Francisco via Honolulu. Total personnel crew 554, passengers 217.

The *Prinz Waldemar*, hence via ports for Australia via Manila, was granted a bill upon certificate of fumigation by the Australian authorities in accordance with an agreement between this office and the chief quarantine officer of the Philippines as to such cases, and the *Norman Prince*, hence for New York via ports, was fumigated throughout with sulphur gas on account of having been exposed to rat infection at Shanghai, Hongkong, Singapore, and other ports.

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Two additional plague-infected rats have been found during the cleaning of Ota precinct of this city, this precinct being distant from the water front, but inhabited in part by longshore coolies.

Week ended March 27. Bills of health issued to 2 barks and 3 steamships having an aggregate personnel of 162 cabin and 448 steerage passengers and 503 members of crews.

During the annual cleaning of houses now going on in this city 3 plague-infected rats were found during the week in the district previously infected.

An official dispatch has been sent to the naval port of Yokosuka, in Tokyo Bay, reporting the occurrence of plague in Nishinomiya, Mikage, Amagasaki, and Sumoto, Awaji Island, as well as in Kobe, during the last eight days of February, and the catching of 28 infected rats in the latter places during the period March 1 to 18.

The official census of Yokohama, under date of December 31, gives a population of 392,870, living in 78,136 houses.

Examination of emigrants.

Number of emigrants per steamship *Asia*, March 27, for Honolulu, held for observation, 2; for San Francisco, recommended for rejection, 1; held for observation, 1.

For steamship *Tosa Maru*, for Seattle, March 31, recommended for rejection, 2; held for observation, 5.

Rejections and detentions were for trachoma.

Summary of examination of emigrants, month of March, 1909.

Alien steerage passengers for ports in the United States or their possessions, 174; recommended for rejection, 7; advised to wait for treatment and diagnosis, 40; passed, 127. There were bathed 159.

Report from Kobe—Inspection of vessels—Examination and disinfection of emigrants.

Acting Assistant Surgeon Knight reports, March 25:

Week ended March 20. Supplemental bills of health granted to 4 steamships and original bill of health granted to 1 steamship.

There were inspected 296 members of crew and 45 steerage passengers, and 54 members of crew and 27 steerage passengers were bathed and disinfected and had their effects disinfected by steam. The number of pieces of baggage steamed was 207 and bedding 54. Manifests were viséed for 28,728 pieces of freight, amounting to 2,540 tons.

Emigrants were examined as follows: Steamship *Chiyo Maru* for Honolulu, passed 20; recommended for rejection 12; for San Francisco, passed 7; recommended for rejection 2.

During the week 6 cases of personal effects and 28 bags of feathers disinfected with formalin.

MEXICO.

Report from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports, April 15:

Week ended April 14. Bills of health issued to 2 vessels bound for ports in the United States.

The health of the port is good.

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Reports from Salina Cruz—Inspection and fumigation of vessels.

Acting Assistant Surgeon Gochicoa reports, April 11 and 17:
Week ended April 10. No transactions.
Week ended April 17. Two vessels fumigated.

Report from Tampico—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Stowe reports, April 15:

Week ended April 14.

Vessels inspected and passed	3
Bills of health issued	3
Members of crews of outgoing vessels inspected	65
Passengers of outgoing vessels inspected	0
Vessels fumigated prior to sailing	0

No cases of quarantinable disease occurred during the week. The sanitary condition of the port is good.

Reports from Veracruz—Smallpox and vaccination—Sanitary conditions and improvements—Summary of yellow fever, 1903–1909—Inspection of vessels.

Acting Assistant Surgeon Carter reports, April 5, 10, and 11:

Week ended April 5. Smallpox was reported at Veracruz, as follows: March 26, 1 case; March 29, 1 case, 1 death; April 3, 1 case. The cases have been isolated.

April 10. The general sanitary conditions of Veracruz are fairly good. The last case of yellow fever died February 11, since which date no cases have been reported. Three cases of smallpox have been reported with 2 deaths. The last death occurred April 6. Since that date no new cases have occurred. At least 90 per cent of the population have been vaccinated. The 3 cases reported were isolated, the premises disinfected, and the contacts who could not show a scar were vaccinated. The last case of yellow fever was isolated quickly and the entire block disinfected.

The streets are now nearly all paved, the center of the city being of asphalt and a few of the outlying streets being paved with cobble stones. These improvements are being carried on continuously. A great deal of the improvement has been done during the past three or four years.

A complete sewerage system has been installed. The sewage empties into the sea outside of breakwaters, pumps being used for this purpose. No refuse from ships is allowed to be thrown overboard in the harbor, and water is piped from the mains to the end of all the piers. No water containers, cans, or rubbish are allowed about the wharves.

The water for the city is brought from a distance of about 15 kilometers and pumped into reservoirs, where it is filtered through sand and gravel. During heavy rains this water does not become muddy. Typhoid and typhus fever are unknown, or at least those diseases never originate here. Nearly all of the houses are equipped with the latest sanitary arrangements. There are no water tanks to be found in the city. At this time of the year (dry season) there are very few mosquitoes. The port physician informed me that an

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effort is being made to eliminate them entirely around the piers and wharves. The ground is mostly sand, and water does not stagnate, but is quickly taken up. If any pools remain they are quickly oiled to prevent the breeding of mosquitoes.

The sanitary affairs of the city and harbor are administered by the city engineer, port physician, 4 city physicians, and a corps of sanitary inspectors and laborers. The city is divided into districts, each in charge of a medical officer, who has a corps of inspectors. Each house in each district is inspected twice a week. Any case of sickness is reported to the medical officer in charge of that district, who reports to the chief sanitary inspector. If the case is suspicious, the patient is at once removed to the detention hospital for observation. At present this hospital consists of a two-story house, the upper floor being used for the hospital; the lower for cooking, for storeroom, and for oil, sulphur and disinfecting apparatus. The place is thoroughly screened and fairly clean. At the time of my visit the hospital was empty. The hospital will be moved later to the new Spanish hospital, which will be occupied in a short time. At the Hospital San Sebastian, for men only, there are also 2 wards screened for the reception of real or suspect yellow fever cases. This hospital is built of stone, is a very old building, and of 2 stories and basement, and has a capacity of 300 beds. The operating room and disinfecting apparatus are modern. During my visit the yellow fever wards were empty. Upon the reception of a real or suspect case of yellow fever I am at once notified of the same and requested to see the patient. The hospital for women is similar to the one described.

The death rate from all causes at Veracruz seems to be high, about 50 per thousand in a population of 35,000, the city claiming, however, 40,000. The prevailing diseases have been as follows: Tubercular intestinal disorders, malaria, yellow fever, and smallpox. The death rate from pernicious and remittent fevers, while still high, is less than it was four years ago and is becoming less as the improvements progress. One of the principal causes of the high death rate from malarial disorders and other diseases is the carelessness of the poor classes and the constant large influx of new material from the north. A great many of these persons do not take the least precaution regarding clothing, eating, drinking, late hours, etc. Consequently, after a few months' sojourn they find themselves sick. Another cause is that the hospital here receives patients for the whole of the state of Veracruz, Mexico, and elsewhere, and the deaths are charged against Veracruz.

To show the decrease of yellow fever and malaria with the progress made in sanitary improvement in this city, which was begun about 1903 and resumed in 1906, the following tables are presented:

Yellow fever.

Year.	Cases.	Deaths.
1903	1,031	375
1904	68	12
1905	40	20
1906	17	12
1907	2	1
1908	36	15
1909, January, February, and March	2	2

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For the same period malaria shows as follows. This includes all forms.

1903	422
1904	195
1905	251
1906	203
1907	201
1908	201
1909, January, February, and March	20

From these tables it will be seen that yellow fever has been reduced to almost nil, and that malarial fever has been reduced only a little less than half. The work is continued. Oiling, inspecting, disinfecting, etc., are carried on with fair regularity, and I am informed that the work is becoming more thorough and greater interest is being taken by all classes of the people.

Week ended April 11. Bills of health issued to 5 vessels, with a total of 204 members of crew and 89 cabin and 180 steerage passengers. No contagious diseases were reported. The last case of smallpox died April 5.

PANAMA.

Report from Bocas del Toro—Sanitary conditions.

Acting Assistant Surgeon Osterhaut reports, April 5:

The health conditions of this port and the surrounding territory are good. No infectious or contagious diseases have appeared since the close of the quarantine season of 1908. The health of the town is remarkably good; mosquitoes are almost entirely absent.

PHILIPPINE ISLANDS.

Report from Manila—Smallpox—Status of cholera in the provinces—Inspection of vessels—Smallpox on steamship Indrapura.

Chief Quarantine Officer Heiser reports, March 9:

Week ended March 6. Six cases of smallpox with 1 death were reported for the city of Manila.

The following is a list of the provincial cholera cases and deaths in the provinces as reported to the bureau of health during the week:

Provinces.	Cases.	Deaths.	Provinces.	Cases.	Deaths.
Bohol	62	41	Iloilo	1	.....
Capiz	34	27	Samar	3	3
Pampanga	8	6	Sorsogon	1	1
Laguna	2	2			
Leyte	3	1	Total	114	81

Consular bills of health issued as follows: February 27, the British steamship *Loongsang*, with 60 in the crew, en route from Hongkong to Iloilo, granted a supplemental bill of health. March 1, the British steamship *Taiyuan*, with 73 in the crew and 7 passengers, en route from Hongkong to Zamboanga, granted a supplemental bill of health. March 3, the British steamship *Indrapura*, with 63 in the crew, en route from Manila via Cebu and Manila to Boston and New York,

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granted a supplemental bill of health. One case of smallpox occurred on board while vessel was loading in Manila Bay. All precautions were taken All persons on board were inspected at the hour of sailing, and the manifest viséed.

(See Public Health Reports, April 16, 1909, page 502.)

RUSSIA.

Reports from Libau—Status of cholera at St. Petersburg—Plague case at Libau.

Acting Assistant Surgeon De Forrest reports, April 10 and 11:

From April 1 to 6, inclusive, 11 cases of cholera, with 4 deaths, occurred at St. Petersburg.

During the week ended April 5 there occurred in Libau 1 case of plague.

STRAITS SETTLEMENTS.

Cholera on steamship Sunki Maru at Penang.

The following is forwarded by Assistant Surgeon Wollenberg, at Naples, under date of April 5:

The Japanese steamship *Sunki Maru* left Kobe February 4, and after having called at Shanghai, Hongkong, Singapore, Penang, and Colombo, arrived at Suez, March 1, bound to Marseille and London. Members of crew, 106; passengers, 42. The *Sunki Maru* carried a ship doctor, but no disinfecting apparatus. The captain declared that one passenger suffering from cholera was landed at Penang, February 26, and that no further cases had occurred. Disinfection with carbolic acid was carried out, the drinking water pumped out at Colombo, and the tanks were washed with potassium permanganate. After the required disinfection the ship was granted free pratique at Suez.

(See Public Health Reports, April 9, 1909, page 467.)

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Transvaal—Johannesburg.*—Two weeks ended March 6, 1909. Estimated population, 180,687. Total number of deaths, 139, including enteric fever 7, scarlet fever 1, whooping cough 2, diphtheria 1, and 12 from tuberculosis.

ALGERIA—*Bona.*—Month of March, 1909. Estimated population, 42,000. Total number of deaths, 154, including smallpox 12, enteric fever 1, diphtheria 4, scarlet fever 1, whooping cough 3, and 13 from tuberculosis.

BRAZIL—*Rio de Janeiro.*—Month of October, 1908. Estimated population, 827,669. Total number of deaths, 2,113, including enteric fever 7, measles 17, smallpox 889, whooping cough 4, diphtheria 4, plague 13, leprosy 2, beriberi 2, and 290 from tuberculosis.

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COSTA RICA—*San Jose.*—Month of February, 1909. Estimated population, 26,682. Total number of deaths, 64, including enteric fever 1, and 5 from tuberculosis.

CUBA—*Matanzas.*—Three weeks ended April 10, 1909. Estimated population, 35,515. Total number of deaths, 35, including 6 from tuberculosis.

DUTCH GUIANA—*Paramaribo.*—Month of March, 1909. Estimated population, 34,962. Total number of deaths, 91. Causes of death not reported.

FRANCE—*Marseille.*—Month of March, 1909. Estimated population, 517,498. Total number of deaths, 1,187, including diphtheria 5, enteric fever 19, measles 59, and 120 from tuberculosis.

Nantes.—Month of February, 1909. Population, 1900, 132,900. Total number of deaths, 338, including enteric fever 1, diphtheria 3, and 68 from tuberculosis.

St. Etienne.—Two weeks ended March 31, 1909. Estimated population, 150,000. Total number of deaths, 185, including scarlet fever 1, diphtheria 3, whooping cough 1, and 26 from tuberculosis.

GERMANY—*Bavaria—Munich.*—Month of February, 1909. Estimated population, 556,000. Total number of deaths, 808, including scarlet fever 14, enteric fever 1, measles 22, diphtheria 10, whooping cough 10, and 127 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended April 3, 1909, correspond to an annual rate of 17.9 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand seven hundred and one deaths were registered during the week, including measles 94, scarlet fever 8, diphtheria 14, enteric fever 3, whooping cough 32, tuberculosis 146, and 14 from diarrhea. The deaths from all causes correspond to an annual rate of 18.3 per 1,000. In Greater London 2,341 deaths were registered. In the "outer ring" the deaths included 16 from measles, 4 from diphtheria, and 3 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended April 3, 1909, in the 21 principal town districts of Ireland was 24.2 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Dundalk, viz, 4.0, and the highest in Sligo, viz, 48.0, per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended April 3, 1909, correspond to an annual rate of 19.9 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Greenock, viz, 24.5, and the lowest in Aberdeen, viz, 13.8, per 1,000. The aggregate number of deaths registered from all causes was 712, including diphtheria 6, measles 1, scarlet fever 5, enteric fever 1, and 47 from whooping cough.

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GREECE—*Patras.*—Two weeks ended March 31, 1909. Estimated population, 40,000. Total number of deaths, 16, including diphtheria 1, and 6 from tuberculosis.

HONDURAS—*San Pedro.*—Three months ended March 20, 1909. Estimated population, 7,400. Total number of deaths, 34, including 1 from diphtheria.

ITALY—*Turin.*—Month of December, 1908. Estimated population, 373,701. Total number of deaths, 504, including enteric fever 4, scarlet fever 3, diphtheria 3, and 56 from tuberculosis.

MALTA.—Two weeks ended March 27, 1909. Estimated population, 209,974. Total number of deaths, 171, including 11 from tuberculosis.

PANAMA—*Panama, Colon, and Canal Zone.*—Month of February, 1909. Estimated population, 127,174. Total number of deaths, 197, corresponding to an annual death rate of 18.59 per 1,000, including enteric fever 2, malarial fever 16, beriberi 2, and 26 from tuberculosis. Of this number, 34 occurred among the employees of the Isthmian Canal Commission and Panama Railroad Company, corresponding to an annual death rate of 9.42 per 1,000, of which 6.93 per 1,000 was due to disease, including malarial fever 2, enteric fever 2, and 5 from tuberculosis. Total number of employees, 43,267.

SPAIN—*Madrid.*—Month of March, 1909. Estimated population, 573,676. Total number of deaths, 1,952, including smallpox 28, typhus fever 182, enteric fever 24, scarlet fever 2, diphtheria 8, measles 63, whooping cough 6, and 138 from tuberculosis.

Malaga.—Month of October, 1908. Estimated population, 135,000. Total number of deaths, 272, including entric fever 1, diphtheria 2, measles 1, and 30 from tuberculosis.

Month of November, 1909. Total number of deaths, 304, including enteric fever 3, measles 1, and 23 from tuberculosis.

TASMANIA—*Hobart.*—Month of February, 1909. Estimated population, 184,008. Total number of deaths, 172, including diphtheria 1, and 2 from enteric fever.

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Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to April 30, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15–Dec. 5	12	10	
China:				
Hongkong	Dec. 28–Jan. 16	2	2	
India:				
Bombay	Dec. 9–Mar. 30		88	
Calcutta	Nov. 1–Mar. 13		399	
Madras	Nov. 14–Mar. 19		57	
Negapatam	Oct. 31–Feb. 26		27	
Rangoon	Nov. 8–Mar. 13		60	
Indo-China:				
Cholen	Nov. 9–15	1	1	
Saigon	Mar. 1–6	2	2	
Persia:				
Tabriz	Oct. 9–Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1–Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1–Jan. 16	260	163	
Bataan	Nov. 1–7	1	1	
Bohol	Dec. 20–Mar. 6	287	145	
Bulacan	Nov. 1–Feb. 27	82	71	
Cagayan	Nov. 1–Jan. 16	114	67	
Capiz	Nov. 1–Mar. 6	1,384	789	
Cavite	Nov. 1–Feb. 20	110	81	
Cebu	Dec. 20–Feb. 6	21	15	
Ilocos Norte	Nov. 1–Jan. 16	335	235	
Ilocos Sur	Nov. 1–Jan. 2	207	140	
Iloilo	Nov. 1–Mar. 6	294	154	
Isabela	Jan. 24–30	2		
Laguna	Nov. 1–Mar. 6	119	81	
Leyte	Nov. 1–Mar. 6	158	125	
Negros Occidental	Nov. 1–Jan. 16	272	175	
Nueva Ecija	Feb. 14–20	1	1	
Palawan	Nov. 1–Dec. 19	10	5	
Pampanga	Nov. 1–Mar. 6	80	54	
Rizal	Nov. 1–Feb. 20	246	216	
Samar	Nov. 1–Mar. 6	173	114	
Sorsogon	Jan. 10–Mar. 6	99	65	
Surigao	Nov. 15–Jan. 12	7	4	
Union	Nov. 1–Jan. 12	12	8	
Zambales	Dec. 6–12	3	3	
Russia, general	Nov. 15–Apr. 4	4,290	1,778	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15–Jan. 23	34	13	
Bakoo	Nov. 22–28	3	2	
Batoon	Nov. 15–21	4	2	
Charkov	Dec. 6–Mar. 13	6	1	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Mar. 6	190	97	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7–Mar. 20	63	28	
Kherson	Nov. 15–Dec. 19	2		
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1		
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3		
Romanov-Borisoglyebsk	Mar. 10			Present.
Rybinsk	Mar. 13	7		
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of	Dec. 19–26	1		
Stavropol	Nov. 15–21	1		
St. Petersburg, government	Nov. 15–Mar. 19	35		

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
St. Petersburg	Nov. 29-Apr. 4	2,277	708	Apr. 6, still present.
Tambov	Nov. 15-Dec. 12	16	8	
Tavride	Nov. 15-Dec. 19	9	5	
Terek, territory of	Nov. 15-Dec. 19	99	62	
Tiflis	Nov. 15-21	9	4	
Tomsk	Nov. 15-Jan. 23	102	48	
Toula	Feb. 21-Mar. 6	7	2	
Tver district	Nov. 15-Dec. 5	4		
Volgoda	Dec. 6-12	1		
Yelisavetpol	Nov. 26-Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1-Dec. 5	1		
Straits Settlements:				
Penang	Feb. 27	1		From s. s. Sunki Maru.
Singapore	Nov. 8-Feb. 27		165	

YELLOW FEVER.

Barbados, general	Dec. 12-Apr. 10	63	21	Including the parishes of St. Andrew, St. Johns, St. Joseph, St. Lucy, St. Michael, and St. Thomas.
Bridgetown	Dec. 12-Mar. 20	11		
Speightstown	Mar. 7	1		
Brazil:				
Bahia	Nov. 15-Mar. 13	138	48	
Manaos	Nov. 29-Apr. 3		16	
Para	Nov. 22-Apr. 10		53	
Pernambuco	Nov. 15-Feb. 15		2	
Colombia:				
Cartagena	Jan. 8-14	1	1	
Cuba:				
Oriente Province—San Luis	Jan. 1-2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1-Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29-Mar. 27		90	
Martinique:				
Fort de France	Dec. 13-Mar. 6	5	1	
Mexico:				
Itzincal plantation	Dec. 6-12	2	2	
Maxcanu	Dec. 6-Jan. 23	5	4	Aug. 22-Dec. 18, 5 cases not previously reported.
Merida	Dec. 6-Mar. 6	15	8	
San Bernardo plantation	Dec. 27-Mar. 20	7	4	
Sodzil plantation	Dec. 13-Jan. 2	7	5	
Ticul	Feb. 1-Mar. 6	2	1	
Veracruz	Dec. 6-Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Azores:				
Fayal	Apr. 1	1		
Terceira	Mar. 31-Apr. 1	17	6	
Australia:				
Brisbane	Nov. 1-7	1	1	
Brazil:				
Bahia	Nov. 15-Mar. 14	55	26	
Para	Jan. 24-Feb. 6		2	
Pernambuco	Nov. 1-Dec. 31		10	
Rio de Janeiro	Nov. 16-Mar. 28	75	36	
Chile:				
Antofagasta	Feb. 28-Mar. 11	32		Mar. 20, 24 cases in lazaretto.
Arica	Mar. 9			Present.
Iquique	Jan. 1-Feb. 28	42	15	Year 1908, 133-70; Mar. 21, 12 cases in the lazaretto.
Magillones	Mar. 9-10	76		
Taltal	Feb. 11			Present

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy	Mar. 6	1		Present Mar. 16, and present at Wuchang in September.
Chinchew	Mar. 7-13			Present.
Fukien province, Chang Poo	Mar. 7-13			Epidemic.
Hankau	Nov. 30-Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8-Mar. 6	11	9	
Tamchou	Dec. 19			Vicinity of Hainan; present.
Tientsin	Oct. 18-Nov. 21			Feb. 16, again present.
Tongshan	Nov. 1-14			Present.
Ecuador:				
Babahoyo	Jan. 16	3		
Guayaquil	Nov. 29-Mar. 27		74	
Milagro	Nov. 17-Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25-Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14-Jan. 20	4		
Port Said	Dec. 4	1		
Suakim	Feb. 1	1		On ss. Hurlet II.
Provinces—				
Assiout	Dec. 2-Mar. 20	19	13	
Beherach	Nov. 24-Dec. 26	11	6	
Dakakilieh	Feb. 4-Mar. 20	6	6	
Galyoobeeyeh	Nov. 21-Feb. 2	3		
Garbieh	Nov. 27-Jan. 28	4	2	
Girgeh	Oct. 18-Mar. 14	8	8	
Fayoum	Nov. 23-Dec. 1	1	1	
Menouf	Nov. 27-Jan. 17	155	35	
Minieh	Nov. 25-Apr. 1	13	5	
German East Africa:				
Dar-es-Salaam	Oct. 10-Jan. 7	7	5	
Great Britain:				
Elstree	Feb. 3-4	1	1	At plague laboratory.
India:				
Bombay Presidency and Sind.	Nov. 2-Mar. 20	19,451	13,886	
Madras Presidency	Nov. 2-Mar. 20	1,101	789	
Bengal	Nov. 2-Mar. 20	4,731	3,946	
United Provinces	Nov. 2-Mar. 20	7,096	5,934	
Punjab	Nov. 2-Mar. 20	13,279	10,673	
Burma	Nov. 2-Mar. 20	4,783	4,530	
Central provinces, including Berar.	Nov. 2-Mar. 20	5,268	4,141	
Coorg	Nov. 2-Dec. 17	5	3	
Mysore State	Nov. 2-Mar. 20	2,823	2,026	
Hyderabad State	Nov. 2-Mar. 20	616	509	
Central India	Nov. 2-Mar. 20	750	582	
Rajputana	Nov. 2-Mar. 20	2,757	2,513	
Kashmir	Mar. 14-20	5	2	
Grand total		62,665	49,534	
Indo-China:				
Cholen	Oct. 25-Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25-Mar. 13	24	20	
Japan:				
Amagasaki	Feb. 27			Present.
Awaji Island, Sumoto	Feb. 27			Do.
Formosa	Nov. 8-Mar. 20	309	247	Mainly in the central part.
Kagi, prefecture	Jan. 16	5		
Hiogo, prefecture				Year 1908, 219 cases additional.
Kagoshima, prefecture	Feb. 6	1		From ss. Shinkochi Maru.
Kobe	Jan. 20-Mar. 6	4	3	3 cases from ss. Ghazee. Feb. 27, again present.
Mikagi	Feb. 27			Present.
Nara, prefecture				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases. Feb. 28, still present.
Osaka	Dec. 22-Jan. 29	3	1	Year 1908, 59 cases additional Case Jan. 29, on ss. Shinkochi Maru.
Tokushima, prefecture		1		Year 1908.
Yura		116	83	Do.
Mauritius	Oct. 2-Jan. 31		106	
Peru:				
Arequipa, general	Feb. 19-Mar. 18	5	3	
Mollendo	Nov. 1-Feb. 18	1	5	
Cajamarca, general	Feb. 19-Mar. 18	19	7	
Cascas	Feb. 12-18	12	5	
Chota	Jan. 22-Feb. 18	8	8	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Callao, general	Feb. 19–Mar. 18	3	1	
Callao	Nov. 13–Feb. 18	18	11	Mar. 25, present.
Lambayeque, general	Feb. 19–Mar. 18	18	14	
Chiclayo	Nov. 13–Feb. 18	44	23	
Eten	Nov. 13–Dec. 31	11	10	
Jayanca	Feb. 4	12	.....	
Lambayeque	Feb. 18–Mar. 4	6	5	
Motupe	Dec. 17–Jan. 14	2	.....	
San Jose	Nov. 13–Dec. 3	2	.....	
Zaña	Jan. 14–Feb. 18	4	2	
Libertad, general	Feb. 19–Mar. 18	45	17	
Casma	Feb. 4	1	1	
Chepen	Nov. 27–Feb. 18	19	6	
San Pedro	Nov. 13–Feb. 18	28	21	
Trujillo	Nov. 13–18	153	70	
Lima, general	Feb. 19–Mar. 18	15	3	
Chorrillos	Jan. 22–Feb. 4	2	2	
Lima	Nov. 13–Feb. 13	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15	.....	
Piura, general	Feb. 19–Mar. 4	2	1	
Catacaos	Dec. 11–Feb. 18	7	.....	
Paita	Dec. 11–17	3	2	
Piura	Dec. 11–Jan. 14	6	4	
Russia:				
Libau	Mar. 30–Apr. 5	1	.....	
Siam:				
Bangkok	Sept. 27–Dec. 26	12	6	Present in November.
Straits Settlements:				
Singapore	Nov. 30–Feb. 6	2	2	
Turkey in Asia:				
Bagdad	Nov. 6–Feb. 5	14	7	
Beirut	Dec. 17–Jan. 9	5	5	
Jiddah	Dec. 12–Mar. 21	144	128	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1–Feb. 28	.....	78	Imported.
Bona	Jan. 1–Mar. 31	57	34	
Arabia:				
Aden	Nov. 25–Feb. 22	.....	74	
Argentina:				
Buenos Aires	Oct. 1–Dec. 31	.....	2	
Australia:				
New South Wales—				
Newcastle	Nov. 1–30	1	.....	
Austria:				
Bohemia	Jan. 31–Feb. 13	8	.....	
Galicia	Dec. 20–Mar. 27	9	.....	
Silesia	Jan. 3–Mar. 20	2	.....	
Trieste	Mar. 21–27	1	.....	
Brazil:				
Bahia	Nov. 15–Mar. 13	319	27	
Para	Feb. 14–Mar. 27	3	2	
Pernambuco	Nov. 1–Feb. 28	.....	113	
Rio de Janeiro	Nov. 16–Mar. 28	1,373	672	
Santos	Nov. 1–Dec. 20	.....	10	
São Paulo	Nov. 1–Mar. 14	.....	59	
British Honduras:				
Stann Creek	Feb. 5–Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28–Mar. 13	5	.....	
Canada:				
British Columbia—				
Vancouver	Dec. 1–Mar. 31	7	.....	
Victoria	Dec. 12–Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20–Jan. 20	6	.....	
Ontario, Province, general	Dec. 1–31	118	.....	
Hamilton	Jan. 17–23	1	.....	
Toronto	Nov. 8–28	7	.....	
Nova Scotia—				
Halifax	Dec. 13–Apr. 17	72	.....	
Tusketwedge	Feb. 13	1	.....	
Yarmouth	Dec. 1–Mar. 27	29	.....	Revised.
Quebec—				
Montreal	Dec. 26–Jan. 2	1	.....	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 1-Mar. 13	122	28	
Chile:				
Concepcion	Jan. 15-31	1		
Talcaguana	Nov. 20-Jan. 28			Present in vicinity.
Valparaiso	Dec. 6-19	2		
China:				
Amoy	Oct. 11-Nov. 8		2	Mar. 20, still present.
Hongkong	Jan. 3-Mar. 6	7	3	
Shanghai	Nov. 11-Mar. 21	6	5	3 cases Nov. 11-Dec. 28 from U. S. transport Seward.
Tientsin	Jan. 17-Feb. 27	10	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26-Apr. 3	5		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12-Feb. 25	737	164	
Alexandria	Nov. 26-Feb. 28	42	26	
Cairo	Nov. 19-Mar. 25	450	196	
Suez	Feb. 19-Mar. 6	27	2	
France:				
Marseille	Dec. 1-Jan. 31		2	
Nantes	Mar. 15-21	1		
Nice	Jan. 1-Feb. 28	2		
Paris	Nov. 22-Apr. 8	57	3	
Toulon	Jan. 1-31	1		
Germany, general	Nov. 19-Apr. 10	59		
Bremen	Jan. 16-23	2		
Breslau	Dec. 20-26	1		
Brunswick	Feb. 16-20	1		
Hamburg	Mar. 13	2		Among Russian emigrants.
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22-Mar. 6		5	
Patras	Dec. 16-31	1	1	
Great Britain:				
Bristol	Dec. 13-Apr. 10	30	7	
Cardiff	Apr. 3-10	1		
London	Feb. 1-6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25-Mar. 30		205	
Calcutta	Nov. 1-Mar. 12		1,867	
Madras	Nov. 28-Mar. 19		17	
Rangoon	Nov. 22-Mar. 13		47	
Indo-China:				
Cholen	Nov. 15-Dec. 5	6	5	
Saigon	Nov. 1-Mar. 13	33	20	
Italy, general	Nov. 30-Apr. 4	256		
Catania	Feb. 28-Mar. 27	8		
Cinquefrondi	Jan. 15-21	13		
Florence	Nov. 24-Mar. 10	4		
Genoa	Dec. 1-Feb. 28	8		
Naples	Dec. 7-Apr. 11	360	59	Jan. 18, 1 case on s. s. Europa.
Palermo	Jan. 24-Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15-21	2		
Japan:				
Formosa	Nov. 29-Mar. 13	19		
Kobe	Feb. 14-Mar. 6	5	2	3 cases in March from s. s. Ghazee, from Singapore.
Tokyo	May 8-Dec. 31	314		
Java:				
Batavia	Nov. 1-Mar. 13	63	5	
Malta	Nov. 22-Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17-Mar. 13	2	1	
Mexico:				
Acapulco	Jan. 11-Feb. 14	15		
Acayucan	Mar. 17			Present.
Guadalajara	Jan. 7-Apr. 15		14	
Mexico City	Nov. 8-Feb. 20		129	
Monterey	Jan. 4-Apr. 11		26	
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Salina Cruz	Jan. 1-15	5		

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico—Continued.				
Tehuantepec	Jan. 28–Feb. 3			Present.
Veracruz	Dec. 13–Apr. 5	8	4	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Rotterdam	Jan. 10–Mar. 27	1	1	
Newfoundland	Feb. 9–Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10–Apr. 3	11		Case Jan. 10 from s. s. Portia.
Norway:				
Bergen	Jan. 24–30		2	
Christiania	Nov. 22–28	1	1	
Paraguay:				
Asuncion	Dec. 20–26			Present.
Persia:				
Arabistan	Jan. 1–28			Do.
Dizfoul	Jan. 1–28			Do.
Hamadan	Oct. 2–Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1–31			Do.
Mechedisser	Jan. 1–28			Do.
Mohammerah	Jan. 1–28			Do.
Sultanabad	Oct. 1–31			Do.
Tabriz	Oct. 2–8			Do.
Trebizond	Jan. 16			Do.
Teheran	Sept. 18–Oct. 28		17	
Peru:				
Lima	Nov. 22–Dec. 31	11		Mar. 27, 1 case in the lazaretto.
Salaverry	Nov. 19–25		1	
Philippine Islands:				
Manila	Nov. 1–Mar. 6	39	13	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20–Jan. 2	2		
Portugal:				
Lisbon	Nov. 30–Apr. 3	45		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1–31	1		
Moscow	Nov. 20–Mar. 27	342	125	
Odessa	Oct. 4–Apr. 27	70	12	
Reval	Jan. 1–31	1		
Riga	Nov. 29–Apr. 5	18		
St. Petersburg	Nov. 15–Mar. 27	150	43	
Warsaw	Nov. 1–Jan. 30		61	
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala.
Servia:				
Belgrade	Dec. 6–12	2		
Siam:				
Bangkok	Nov. 1–30			Present.
Siberia:				
Vladivostok	Dec. 14–Feb. 14	2		
Southeast Africa:				
Lourenço Marquez	Jan. 1–31	1	1	
Spain:				
Almeria	Jan. 1–Feb. 28		3	Apr. 1–Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6–Apr. 12		55	
Cartagena	July 1–31		15	
Madrid	Nov. 1–Mar. 31		88	
Valencia	Nov. 29–Apr. 2	81	9	
Vigo	Nov. 30–Mar. 27		12	
Straits Settlements:				
Penang	Mar. 1–6	1	1	From s. s. Pentakota.
Singapore	Dec. 28–Mar. 6		9	
Switzerland:				
Zurich	Feb. 21–27	3		
Tripoli:				
Tripoli	Feb. 13–Mar. 27	11	5	
Turkey in Asia:				
Adalia	Sept. 24–27		2	
Bagdad	Feb. 13–Mar. 13			Present.
Bassorah	Jan. 3–Mar. 27			Do.
Smyrna	Oct. 7–Mar. 25		69	
Turkey in Europe:				
Constantinople	Dec. 7–Apr. 4		64	
Trebizond	Feb. 7–20			Do.
Uruguay:				
Montevideo	Dec. 1–Jan. 31		2	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Mar. 27	181,918	56										1	2
Do	Apr. 3	181,918	48											9
Acapulco [a]	Feb. 14	5,000	217										1	
Do	Mar. 28	5,000	8											
Do	Apr. 10	5,000	9										4	
Aden	Mar. 15	43,974	22	3										
Do	Mar. 22	43,974	16	3										
Aguascalientes	Apr. 11	40,000	37	1					2			1		4
Aix la Chapelle	Mar. 20	159,612	50	9							1		2	
Amsterdam	Apr. 3	566,260	186	23								1	9	3
Do	Apr. 10	566,260	177	34						1			2	4
Antwerp	Mar. 27	323,921	77	15										2
Asuncion	Mar. 13	75,000	26	1						3				
Bahia	Mar. 6	265,000	95	18			4	2		1				
Do	Mar. 13	265,000	96	9			4	3						
Baracoa	Apr. 3	27,000	4											
Barcelona	do	600,000	340	16				4		3	1	6	3	2
Basel	Mar. 27	131,000	50	3									3	
Do	Apr. 3	131,000	42	6						1		1	3	
Belfast	do	386,576	160	27						1	1		1	4
Belgrade	do	80,000								1				
Belize	Apr. 8	9,113	4	1										
Do	Apr. 15	9,113	2											
Bergen	Mar. 27	87,749	26	5								1		
Do	Apr. 3	87,749	19	4								1		
Berlin	Mar. 20	2,119,489	655	89						1	12	11	12	10
Birmingham	Apr. 3	558,336	184									2	30	6
Bombay	Mar. 23	977,822	1,091	43	436	1		15		2			3	
Bremen	Apr. 3	234,566	78	13								1	1	
Breslau	Mar. 20	335,186	181	21								1		
Budapest	do	804,200									3	1	6	
Do	Mar. 27	804,200									6	3	2	1
Do	Apr. 3	804,200									3		4	
Cairo	Mar. 4	701,806	398	27				11	8			4	4	
Do	Mar. 11	701,806	373	24				7	4	2		4	5	
Do	Mar. 18	701,806	408	21				10	4	3			5	
Calcutta	Mar. 13	847,796	865	29	85	98		264					6	
Cartagena	Mar. 28	30,000	8	1										
Do	Apr. 4	30,000	4											
Ceiba	Apr. 10	6,500	1											
Chihuahua	Apr. 11	39,000	25	1								1		
Christiania	Apr. 3	235,000	59											1
Coburg	Mar. 27	23,491	8	1						1				
Cognac	Apr. 3	19,483	7	1										
Cologne	Mar. 27	409,299	195	19							3	5	5	2
Copenhagen	Mar. 20	439,000	166	17							5	1	3	6
Dalny	Mar. 13	35,947	18											
Denia	Apr. 3	12,431	4											
Dresden	do	544,700	146	17								4	2	
Dublin	Mar. 20	394,525	232	46						3		1	5	4
Do	Mar. 27	394,525	216	29						1		1	6	2
Dundee	Apr. 3	169,409	57											2
Durban	Mar. 13	60,972	9	1										
Edinburgh	Apr. 3	355,366	125	13										3
Erfurt	Mar. 27	107,712	43	2						9	2		2	1
Fiume	Mar. 31	50,811	42	12										
Do	Apr. 7	50,811	28	10										
Fort de France	Mar. 13	27,069	18											
Do	Mar. 20	27,069	17											
Do	Mar. 27	27,069	20											
Frankfort on the Main	do	362,600	120								2	2		
Frontera	Apr. 3	9,000	3											
Geneva	Mar. 20	118,500	54								2			
Georgetown	Mar. 27	56,000	26	2										
Ghent	do	164,579	71	2							1		2	
Gibraltar	Apr. 4	26,830	6											
Glasgow	Apr. 9	872,021	360								4	6		32
Gothenburg	Apr. 3	162,400	44	8										
Greenock	do	70,300	34											
Guadalajara	Apr. 8	125,000	101											
Guayaquil	Mar. 20	75,000	87	5	7		11							

[a] 200 of total number of deaths due to accident.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Guayaquil	Mar. 27	75,000	107	8	8		17			1				
Halifax	Apr. 10	40,787	17	3										
Hongkong	Mar. 6	315,616	5		2			1		1		1		
Hull	Apr. 3	275,552	97								1			
Königsberg	Mar. 27	237,600	86	10						1				1
Lausanne	Mar. 20	60,000	22											
Leeds	Apr. 3	484,012	157	14								1	1	3
Leipzig	Mar. 27	537,686	132	17							1	1	1	
Leith	Apr. 3	85,721	25	2							1			
Libau	Apr. 4	90,000										1		
Liege [a]	Mar. 27	176,334	121	16						1			1	2
Lisbon	Mar. 13	406,869	196	34						3		3	1	3
Liverpool	Apr. 3	760,357	336	26							4	6	17	8
London	...do	4,833,938	1,701	146						3	8	14	94	32
Lubeck	...do	97,000	30							1		1		
Madras	Mar. 19	509,346	361			1		1					6	
Magdeburg	Mar. 20	250,902	78	10							1			
Do	Mar. 27	250,902	107	12								1		
Managua	Mar. 13	22,278	17											
Do	Mar. 20	22,278	12	1										
Manchester	Apr. 3	631,533	264	22						4	8	2	11	7
Mannheim	Mar. 20	182,482	39	6								1		
Matamoras	Apr. 10	8,000	3	1										
Milan	Mar. 21	900,000	270	30						2	4	4	3	
Do	Mar. 28	900,000	269	32						2	1		7	
Monterey	Apr. 11	100,000	89	10				7		2				
Montreal	Apr. 10	378,856	149	23						4	2	2	3	
Moscow	Mar. 27	1,335,104	803	97				11	8	2	20	9	32	
Munich	Mar. 20	566,000	209	36							1	2	3	2
Do	Mar. 27	566,000	238	36							6	2	7	3
Nagasaki	Mar. 21	175,936	47									3		
Nantes	Mar. 14	161,908	123	22										
Do	Mar. 21	161,908	83	6										
Do	Mar. 28	161,908	79	16										
Do	Apr. 4	161,908	64	10										
Naples	Feb. 27	593,729	285					3				1		
Do	Mar. 13	593,729	305					6				1		
Do	Mar. 20	593,729	312					2			1		1	
Do	Mar. 27	593,729	291											
Newcastle-on-Tyne	Apr. 3	281,584	88								1	1	9	
Niuchwang	Mar. 13	60,000	9											
Nottingham	Mar. 27	260,000	110							1			8	4
Nuremberg	Mar. 20	316,180	112	17							2		4	4
Odessa	Mar. 27	467,000	225	30				1	2		9			1
Ottawa	Apr. 3	80,200	20											
Do	Apr. 10	80,200	17											
Para	Apr. 3	185,000	84	7										
Paris	...do	2,776,399		220				1		7		5	22	2
Palermo	Mar. 20	330,000	146	8							1	1	1	
Do	Mar. 27	330,000	145	11							1	1		
Penang	Mar. 13	102,520	75	16						2				
Plymouth	Apr. 3	124,180	33	4									4	
Port Elizabeth	Mar. 13	32,959	12	2							1			
Do	Mar. 20	32,959	13	2						1				
Prague	...do	229,571	141	27						5	2		1	1
Do	Mar. 27	229,571	172	44							5	2	3	
Progreso	...do	5,000	3											
Queenstown	Apr. 3	7,684	2											
Rangoon	Mar. 13	252,155	212	4	24	6		11						
Rio de Janeiro	Mar. 14	811,443	276	52				9		2				1
Saigon	Mar. 6	208,000			1	2		1						
Do	Mar. 13	208,000			2			5						
St. John, N. B	Apr. 17	40,711	15	1								1		
St. Petersburg	Mar. 20	1,678,000	845	136		7		2	1	12	16	17	33	9
San Feliu de Guixols	Apr. 3	11,094	3	1										1
Santa Cruz de Teneriffe	Mar. 27	46,000	16	3										
Shanghai	Mar. 13	565,000	109	15										
Singapore	Mar. 6	260,000	185	20				1		4				
Southampton	Apr. 3	124,667	37	4										2
South Shields	...do	117,627	37									1		1
Stettin	...do	230,000	102	6										

[a] Report covers two weeks.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Stockholm	Mar. 20	337,460	102	18						1	1	1		
Suez	Feb. 25	19,786	8											
Do	Mar. 4	19,786	17											
Do	Mar. 11	19,786	6											
Do	Mar. 18	19,786	12					1						
Do	Mar. 25	19,786	10					1						
Sunderland	Mar. 27	159,137	69	4									7	
Tarragona	Apr. 3	20,400	9	1						1			1	
Tegucigalpa	Mar. 30	24,000	4											
Tientsin	Mar. 13	1,000,000	9											
Turin	Mar. 26	381,439	220	26									1	
Valencia	Apr. 2	250,000	122	8										
Vevey	Mar. 20	14,500	8											
Victoria	Apr. 10	30,000	5											
Vienna	Mar. 27	2,042,426	740	132						1	11	11	14	6
Vigo	Mar. 20	40,000	13	1						1		1		
Do	Apr. 3	40,000	23	5						3				
West Hartlepool	do	66,750	25											
Yokohama	Mar. 22	392,870										1		
Do	Mar. 29	392,870										1		
Zanzibar	Mar. 7	75,000	19	3										
Do	Mar. 14	75,000	22	5										
Zurich	Apr. 3	180,000	83	11						1				

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended April 24, 1909.

Sick inspected	2
Plague	0
Dead inspected	124
Plague	0
Necropsy held	1
Premises inspected	2,424
Buildings condemned	8
Houses disinfected	84
Nuisances abated	310
Rats found dead	83
Rats trapped	2,149
Total rats taken	2,232
Rats identified:	
Mus norvegicus	1,617
Mus rattus	63
Mus musculus	504
Mus alexandrinus	22
Total	2,206
Rats identified as to sex:	
Male	736
Female	899
Total	1,635
Ground squirrels trapped	3
Gophers trapped	4
Rats examined bacteriologically	1,539
Plague rats	0
Ground squirrels examined bacteriologically	3
Plague squirrels	0
Gophers examined bacteriologically	4
Plague gophers	0
Poisons placed	22,034

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OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended April 17, 1909.

Dead inspected	25
Plague	0
Necropsies held	4
Premises inspected	1,198
Nuisances abated	169
Premises cleaned	185
Garbage cans installed	181
Rats found dead	19
Rats trapped	600
Mice trapped	54
Rats identified	673
Mus norvegicus	605
Mus musculus	54
Mus rattus	7
Mus alexandrinus	7
Rats examined bacteriologically	588
Plague rats	0
Mice examined bacteriologically	54
Plague mice	0
Poisons placed	37,835

POINT RICHMOND, CAL.

Week ended April 17.

Premises inspected	490
Nuisances abated	35
Rats found dead	14
Rats trapped	22
Rats examined bacteriologically	22
Plague rats	0
Poisons placed	7,000

ALAMEDA COUNTY, CAL.

Week ended April 17.

Dead inspected	41
Plague	0
Necropsies held	5

CONTRA COSTA COUNTY, CAL.

Week ended April 17.

Dead inspected	1
Plague	0
Ranches inspected	29
Ranches found free of ground squirrels	11

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, April 19:

SEATTLE, WASH.

Date of finding last plague rat, September 26, 1908.

Week ended April 17, 1909.

Rats received	894
Rats necropsied	900
Plague rats	0
Plague-infected rats to date	21

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STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

FLORIDA.—Report from the state board of health of communicable diseases for the week ended April 24, 1909, shows as follows: Diphtheria—*Jacksonville, Tallahassee,* and *Waldo,* each 1 case; *Tampa,* 2. Malaria—*Clearwater, Orlando, Plant City,* and *Welaka,* each 1 case; *Inverness, Lake Butler,* each 2 cases; *Arcadia* 3, *Jacksonville* 12, *Tampa* 14, *Tallahassee* 4. Tuberculosis—*Ocala, Gainesville,* and *Plant City,* each 1 case; *Tallahassee* 2, *Jacksonville* 3, and *Tampa* 7. Enteric fever—*Tampa* 1.

INDIANA.—Month of February, 1909. Total number of deaths, 2,955, corresponding to an annual death rate of 14 per 1,000 of the population, which is estimated at 2,727,144. Deaths from contagious diseases were: Tuberculosis 358, enteric fever 19, diphtheria 18, scarlet fever 12, measles 12, whooping cough 38. Cases: Smallpox 138 in 22 counties; enteric fever 68 in 30 counties; diphtheria 93 in 33 counties.

Evansville.—Month of March, 1909. Estimated population, 75,000. Total number of deaths, 89, including enteric fever 1 and 13 from pulmonary tuberculosis. Cases: Diphtheria 4, scarlet fever 2, whooping cough 1, enteric fever 11, and pulmonary tuberculosis 6.

Jeffersonville.—Month of March, 1909. Estimated population, 12,000. Total number of deaths, 15, including 4 from tuberculosis. Cases: Tuberculosis 4.

LOUISIANA—*New Orleans.*—Month of March, 1909. Estimated population, 362,000 (white, 265,000; colored, 97,000). Total number of deaths, 563 (white, 342; colored, 221), including enteric fever 7, scarlet fever 12, diphtheria 1, and 64 from tuberculosis. Annual death rate per 1,000 for the month: White, 15.49; colored, 27.34. Total white and colored, 18.66.

MASSACHUSETTS.—Reports from the state board of health for the month of March, 1909. Fifty-three cities and towns reporting, having an aggregate estimated population of 2,363,438, report 3,205 deaths, including diphtheria 54, enteric fever 8, measles 22, and 275 from phthisis pulmonalis. Cases: Diphtheria 610, enteric fever 77, measles 1,917, scarlet fever 713, whooping cough 219, smallpox 2, and phthisis pulmonalis 556.

Gloucester.—Annual report for the year 1908. Total number of deaths 673, corresponding to an annual death rate of 13.4 per 1,000 of population, which is estimated at 53,176. The deaths from contagious diseases were: Whooping cough 17, diphtheria 9, enteric fever 2, and 71 from tuberculosis. Cases: Diphtheria 68, scarlet fever 74, and enteric fever 8.

Salem.—Period from January 1 to April 17, 1909. Estimated population 39,000. Total number of deaths 227, including scarlet

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fever 1, diphtheria 1, and 13 from tuberculosis. Cases: Scarlet fever 40, diphtheria 28, whooping cough 15, measles 5, and tuberculosis 34.

Springfield.—Annual report for the year 1908. Estimated population, 81,425. Total number of deaths, 1,224, corresponding to an annual death rate of 15.03 per 1,000 of population, including enteric fever 22, measles 1, scarlet fever 8, whooping cough 2, diphtheria 24, and 92 from tuberculosis. Cases: Diphtheria 287, measles 92, scarlet fever 173, tuberculosis 91, enteric fever 90, and whooping cough 16.

Worcester.—Month of January, 1909. Estimated population, 143,333. Total number of deaths, 177, including enteric fever 1, whooping cough 3, diphtheria 2, and 25 from tuberculosis. Cases: Diphtheria 40, scarlet fever 40, enteric fever 1, tuberculosis 27, and whooping cough 5.

Month of February, 1909. Total number of deaths, 170, including scarlet fever 1, whooping cough 2, diphtheria 2, and 10 from tuberculosis. Cases: Diphtheria 31, scarlet fever 31, enteric fever 2, measles 20, whooping cough 8, and tuberculosis 26.

MINNESOTA—*Minneapolis.*—Month of March, 1909. Estimated population, 310,000. Total number of deaths, 319, including diphtheria 6, enteric fever 10, scarlet fever 5, and 47 from tuberculosis. Cases: Diphtheria 101, enteric fever 12, scarlet fever 97, smallpox 21, and tuberculosis 49.

St. Paul.—Month of February, 1909. Estimated population, 230,000. Total number of deaths reported to the department of health, 188, including diphtheria 6, enteric fever 2, scarlet fever 10, whooping cough 1, and 21 from tuberculosis. Cases: Diphtheria 113, scarlet fever 132, and smallpox 41.

Month of March, 1909. Total number of deaths, 224, including enteric fever 1, scarlet fever 10, diphtheria 12, and 33 from tuberculosis. Cases: Diphtheria 102, scarlet fever 210, measles 2, and smallpox, 27.

MISSOURI—*St. Louis.*—Month of March, 1909. Estimated population, 735,000 (white, 688,000; colored, 47,000). Total number of deaths, 995 (white, 901; colored, 94), including diphtheria 24, measles 16, enteric fever 7, scarlet fever 8, whooping cough 1, and 113 from pulmonary tuberculosis. Cases of contagious diseases reported: Diphtheria 168, enteric fever 17, measles 1,215, scarlet fever 122, whooping cough 31, smallpox 11, leprosy 1, and pulmonary tuberculosis 205.

NEW HAMPSHIRE—*Franklin.*—Month of April, 1909. Estimated population, 7,200. Total number of deaths, 14, including measles 3 and 1 from tuberculosis. Cases: Measles 63, and tuberculosis 1.

Manchester.—Month of March, 1909. Estimated population, 68,000. Total number of deaths, 110, including diphtheria 1, whoop-

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ing cough 2, and 8 from tuberculosis. Cases: Diphtheria 31, scarlet fever 13, and enteric fever 3.

NORTH CAROLINA.—Month of February, 1909. Estimated population, 1,893,810. Reports of state board of health from 82 counties show as follows: Measles in 29 counties, whooping cough in 37 counties, scarlet fever in 28 counties, diphtheria in 27 counties, enteric fever in 24 counties, malarial fever in 8 counties, pernicious malarial fever in 3 counties, hemorrhagic malarial fever in 3 counties, and smallpox in 19 counties, viz: Bertie, 2; Camden, 20; Craven, 2; Currituck, a few; Duplin, 8; Forsyth, 18; Harnett, 16; Johnston, 6; Lee, 10; Lenoir, 40; Madison, 5; Martin, 9; Nash, 1; New Hanover, 2; Pasquotank, about 50; Rowan, 1; Sampson, 9; Warren, 3; Wayne 7.

UTAH—*Salt Lake City.*—Month of March, 1909. Estimated population, 85,000. Total number of deaths from all causes, 140, including diphtheria 6, scarlet fever 3, and 10 from tuberculosis. Cases: Diphtheria 20, whooping cough 37, measles 6, smallpox 62, scarlet fever 85, enteric fever 1.

WISCONSIN—*Milwaukee.*—Month of March, 1909. Estimated population, 370,000. Total number of deaths 424, including enteric fever 10, scarlet fever 3, diphtheria 5, measles 5, whooping cough 4, and 43 from tuberculosis. Cases: Smallpox 45, tuberculosis 68, diphtheria 70, scarlet fever 97, enteric fever 62, and measles 383.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to May 7, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Autauga County	Feb. 27–Apr. 5	11		
Prattville	Feb. 27–Apr. 5	3		
Dallas County	Feb. 20–Apr. 12	12		
Selma	Feb. 28–Apr. 12	26		
Jefferson County— Birmingham	Mar. 1–31	10		
Mobile County— Mobile	Jan. 12–Apr. 17	8		
Montgomery County— Montgomery	Mar. 13–Apr. 2		2	
Tuscaloosa County		86		Year 1908.
Total for State		156	2	
Arkansas:				
Allbrook	Jan. 1–Mar. 25	40		
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		148		
California, general	Nov. 1–Feb. 28		4	
Los Angeles	Dec. 6–Apr. 3	19	1	
Oakland	Nov. 1–Apr. 19	16		
Sacramento	Nov. 1–Apr. 24	55		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
California—Continued				
San Francisco	Dec. 13–Apr. 10	31		
Stockton	Nov. 1–30	12		
Total for State		133	5	
Colorado, general	July 1–Feb. 23	109		
District of Columbia:				
Washington	Dec. 28–Apr. 17	11		
Total for District		11		
Georgia:				
Bibb County—				
Macon	Mar. 14–Apr. 25	18		
Cobb County	Jan. 16–Feb. 7	8		
Paulding County	Jan. 16–Feb. 7	15		
Total for State		41		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Feb. 27	211		
Thebes	Jan. 1–31	2		
Bureau County—				
Ladd	Nov. 1–30	4		
Christian County—				
Taylorville	Aug. 1–Jan. 20	40		
Clinton County—				
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–Apr. 3	10		
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		
Fulton County—				
Canton	Jan. 1–Feb. 28	55		
Cuba	Jan. 1–31	1		
Lewiston	Jan. 1–31	6		
Jackson County—				
Murphysboro	Jan. 1–31	45	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–31	1		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–Apr. 17	8		
Lake County—				
Waukegan	Feb. 2–26	3		
McLean County—				
Bloomington	Jan. 1–31	5		
Macon County—				
Decatur	Jan. 1–31	8		
Macoupin County—				
Benld	Feb. 15–18	2		
Palmyra	Dec. 25–Jan. 20	4		
Scottsville	Dec. 25–Jan. 20	12		
Madison County—				
Alton	Mar. 1–31	1		
Marion County—				
Centralia	July 1–Jan. 20	53		
Odin	Jan. 1–31	1		
Sandoval	Jan. 1–31	1		
Mason County	Jan. 1–31			Present in Havana and Quiver townships.
Massac County—				
Metropolis	Jan. 1–31	1		
Mercer County	Jan. 1–31	1		In North Henderson township.
Montgomery County	Jan. 1–31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5–11	1		
Peoria County—				
Peoria	Dec. 20–Apr. 3	43		Present in Glasford and in Timber and Trivoli townships

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-31	3		
Mound City	Jan. 1-31	7		
Randolph County—				
Percy	Jan. 1-31	1		
St. Clair County—				
Belleville	Dec. 4-20	3		Present in January.
Mascoutah	Jan. 1-31	1		
Millstadt		1		
Saline County—				
Eldorado	Jan. 1-31	1		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Springfield	Mar. 20-Apr. 30	17		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Tazewell County	Jan. 1-31			Present in Elm Grove township.
Pekin	Jan. 1-31	28		
Vermilion County—				
Danville	Jan. 11-Apr. 25	51		
Williamson County—				
Carterville	Jan. 1-31	2		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-31	6		
Total for State		748	1	
Indiana:				
Allen County	Dec. 1-31	1		
Fort Wayne	Jan. 10-Apr. 17	6		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Dec. 31	4		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-31	26		
Clay County	Oct. 1-31	8		
Dearborn County	Oct. 1-31	1		
Delaware County	Dec. 1-31	52		
Muncie	Mar. 27	1		
Elkhart County	Oct. 1-Nov. 30	7		
Elkhart	Jan. 17-Mar. 6	8		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-31	1		
Grant County	Dec. 1-31	2		
Union	Feb. 6	5		
Hamilton County	Dec. 1-31	1		
Harrison County	Dec. 1-31	1		
Hendricks County	Nov. 1-Dec. 31	5		
Madison County	Oct. 1-31	1		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-Apr. 18	7		
Miami County	Dec. 1-31	1		
Rush County	Dec. 1-31	24		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-31	1		
St. Joseph County	Dec. 1-31	12		
South Bend	Mar. 23-Apr. 24	3		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Dec. 31	77		
Lafayette	Dec. 15-Apr. 19	63	1	
Tipton County	Nov. 1-Dec. 31	2		
Vanderburg County—				
Evansville	Jan. 10-Feb. 20	10		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-31	7		
Wayne County	Nov. 1-30	8		
Total for State		365	1	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Cedar Rapids	Mar. 1-31	13		
Council Bluffs	July 1-Apr. 12	33	2	
Davenport	Apr. 12-18	1		
Dubuque	Oct. 1-Jan. 31	87	1	
New Hampton	Feb. 26	8		
Total for State		143	5	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas:				
Allen County	Jan. 1-31	6		
Atchison County—				
Atchison	Dec. 20-Jan. 16	2		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Jan. 31	50		
Cherokee County	Jan. 1-31	22		
Crawford County	Jan. 1-31	7		
Pittsburg	Nov. 1-Dec. 31	107		
Decatur County	Jan. 1-31	1		
Ford County	Jan. 1-31	2		
Franklin County	Dec. 1-31	1		
Harvey County	Nov. 1-Dec. 31	4		
Jackson County	Nov. 1-Dec. 31	95		
Jefferson County	Dec. 1-Jan. 31	15		
Jewell County	Dec. 1-31	2		
Labetta County—				
Parsons	Jan. 1-31	3		
Bane County	Jan. 1-31	4		
McPherson County	Jan. 1-31	1		
Marshall County	Jan. 1-31	1		
Montgomery County	Nov. 1-Jan. 31	19		
Nemaha County	Dec. 1-31	2		
Phillips County	Dec. 1-Jan. 31	5		
Pottawatomie County	Nov. 1-Dec. 31	36		
Pratt County	Dec. 1-31	20		
Reno County	Nov. 1-Jan. 31	4	1	
Riley County	Nov. 1-30	2		
Rooks County	Jan. 1-31	3		
Saline County	Nov. 1-Jan. 31	48		
Sedgwick County—				
Wichita	Mar. 7-Apr. 24	11		
Shawnee County	Nov. 1-Jan. 31	27		
Topeka	June 7-Apr. 3	128		
Sheridan County	Dec. 1-Jan. 31	11		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Dec. 31	8		
Thomas County	Jan. 1-31	2		
Wallace County	Jan. 1-31	2		
Wabaunsee County	Jan. 1-31	3		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-Apr. 24	55		
Total for State		723	1	
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Berea	Feb. 1-Apr. 2	20		
Covington	Dec. 29-Apr. 24	34		
Fulton	Feb. 1-Mar. 22	27		
Georgetown	Dec. 2-Mar. 4	31		
Henderson		7		Jan. 1-June 30, 1908.
Lexington	Dec. 28-Apr. 24	45		
Newport	July 1-Apr. 24	69	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24-Apr. 3	44		
Total for State		475	2	
Louisiana:				
Alexandria	Feb. 1-28	9		
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20-Apr. 24	39		Mainly imported.
Shreveport	Jan. 1-30	32	1	
Winnfield	Jan. 1-Mar. 24	33		And vicinity.
Total for State		143	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 15-Feb. 6	94		
Total for State		145		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Maryland	Mar. 18 to 21	10		House of Correction, Bridewell.
Baltimore	Jan. 30–Feb. 6	1		
Total for State		11		
Massachusetts:				
Boston	Mar. 14–20	2		
Haverhill	Mar. 14–20	1		
Lawrence	Mar. 7–13	1		
New Bedford	Jan. 30–Mar. 13	3	1	
Total for State		7	1	
Michigan:				
Barry County	Nov. 1–Dec. 31	5		
Cheboygan County	Dec. 1–31	4		
Delta County	Nov. 1–30	1		
Eaton County	Dec. 1–31	1		
Ingham County—				
Lansing	Nov. 1–Dec. 31	11		
Ionia County	Dec. 1–31	2		
Kalamazoo County	Dec. 1–31	3		
Kent County—				
Grand Rapids	Jan. 24–Apr. 24	3		
Lapeer County	Dec. 1–31	2		
Macomb County	Nov. 1–30	1		
Manistee County	Nov. 1–30	2		
Menominee County	Dec. 1–31	1		
Muskegon County	Nov. 1–Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16–Apr. 24	16		
St. Clair County	Nov. 1–Dec. 31	2		
Port Huron	Nov. 1–Dec. 5	3		
Wayne County—				
Detroit	Jan. 10–Mar. 27	7		
Wexford County	Dec. 1–31	2		
Total for State		85		
Minnesota:				
Becker County	Dec. 7–13	1		
Benton County	Oct. 26–Nov. 2	1		
Brown County	Oct. 30–Nov. 23	11		
Carver County	Dec. 7–13	6		
Cass County	Oct. 12–Dec. 7	1		
Chippewa County	Nov. 3–9	1		
Cottonwood County	Oct. 20–26	1		
Dodge County	Nov. 24–Dec. 7	2		
Faribault County	Dec. 7–13	1		
Hennepin County	Oct. 6–12	1		
Minneapolis	Nov. 1–Apr. 24	100		
Hubbard County	Oct. 19–Dec. 7	11		
Jackson County	Dec. 7–13	1		
Lac qui Parle County	Nov. 2–Dec. 13	3		
Lyon County	Nov. 16–Dec. 13	2		
Morrison County	Nov. 20–Dec. 13	20		
Nicolett County	Nov. 16–Dec. 13	3		
Norman County	Dec. 7–13	5		
Pipestone County	Dec. 7–13	6		
Ramsey County	Nov. 16–Dec. 7	2		
St. Paul	Nov. 1–Mar. 31	197		Report for Oct. not yet received.
Renville County	Dec. 1–7	1		
St. Louis County—				
Duluth	Nov. 9–Apr. 29	16		
Sibley County	Dec. 7–13	9		
Stearns County	Nov. 9–Dec. 7	4		
Steele County	Oct. 20–Dec. 7	4		
Stevens County	Nov. 9–Dec. 13	12		
Todd County	Nov. 9–Dec. 13	3		
Wabasha County	Nov. 2–Dec. 7	10		
Wadena County	Nov. 2–Dec. 13	15		
Saseka County	Oct. 26–Dec. 7	9		
Washington County	Nov. 24–31	1		
Stillwater	Dec. 1–31	3		
Winona County	Dec. 1–7	1		
Winona	Dec. 1–Feb. 28	8		
Yellow Medicine County	Oct. 20–26	1		
Total for State		472		
Mississippi:				
De Soto County	Nov. 1–Dec. 22	135		
Total for State		135		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks
Missouri:				
Kansas City	Jan. 24-Mar. 20	12		
Kirksville	Nov. 1-Jan. 31	96		
Liberty	Jan. 15-Mar. 11	20		
Rich Hill	Dec. 5-31	4		
St. Joseph	Dec. 1-31	1		
St. Louis	Dec. 20-Apr. 24	29		
Springfield	Nov. 1-Feb. 28	3		
Total for State		165		
Montana:				
Beaverhead County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cascade County	Nov. 1-Jan. 31	6		
Chouteau County	Jan. 1-Feb. 28	4		
Dawson County	Dec. 31-Jan. 31	20		
Fergus County	Dec. 31-Feb. 28	30		
Flathead County	Nov. 1-30	1		
Gallatin County	Nov. 1-Jan. 31	19		
Bozeman	Nov. 1-Feb. 28	19	1	
Granite County	Jan. 1-31	4		
Jefferson County	Nov. 1-30	4		
Madison County	Dec. 1-31	2		
Missoula County	Jan. 1-31	12		
Missoula	Jan. 1-Feb. 28	5		
Park County	Jan. 1-31	6		
Powell County	Jan. 1-Feb. 28	15		
Ravalli County	Nov. 1-Dec. 31	14		
Sanders County	Jan. 1-Feb. 28	11		
Silverbow County	Nov. 1-Feb. 28	14		
Butte	Mar. 16-Apr. 20	38		
Yellowstone County	Nov. 1-30	1		
Billings	Jan. 1-31	1		
Total for State		229	1	
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1-Mar. 31	22		
Polk	Mar. 20-Apr. 23	14		And vicinity.
South Omaha	Dec. 20-Apr. 10	14		
Total for State		51		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
West Lebanon	Jan. 15-Feb. 7	2		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21-Apr. 24	14		
Haddonfield	Mar. 26-27	2		
Hightstown	Mar. 3	1		
Lodi	Apr. 15	1		
New Brunswick	Mar. 7-Apr. 5	7		
Paterson	Mar. 16-Apr. 2	8		
Perth Amboy	Mar. 4-31	26		
Plainfield	Mar. 7-Apr. 10	6		
Trenton	Apr. 25-May 1	2		
Woodbridge	Mar. 6-26	1		
Total for State		68		
New York, general	Nov. 1-Feb. 28	201	1	Including Amsterdam, Bridgeport, Broome, Cicero, Gardiner, and Middleburg.
Buffalo	Feb. 14-Mar. 20	4		
Little Falls	Apr. 10-24	2		
Mohawk Valley			1	Year 1908.
New York	Feb. 21-Apr. 3	6	1	
Niagara Falls	Feb. 7-13	1		
Rome	Jan. 1-31	1		
Schenectady	Feb. 7-13	1		
Syracuse	Jan. 9-31	3		
Total for State		219	3	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina:				
Ashe County	Jan. 1-31	7		
Bertie County	Nov. 1-30	1		
Camden County	Jan. 1-31	30		
Catawba County	Nov. 1-Dec. 31	4		
Currituck County	Nov. 1-Jan. 31	34		
Duplin County	Dec. 1-Jan. 31	60		
Edgecombe County	Dec. 1-31	1		
Johnston County	Nov. 1-Jan. 31	13		
Jones County	Jan. 1-31	3		
Lenoir County	Dec. 1-31	20		
Lincoln County	Dec. 1-31	1		
Madison County	Jan. 1-31	2		
Nash County	Jan. 1-31	1		
New Hanover County— Wilmington	Jan. 22-Mar. 1	4		Imported.
Pasquotank County	Nov. 1-Jan. 31	79		
Pitt County	Jan. 1-31	2		
Sampson County	Jan. 1-31	22		
Scotland County	Jan. 1-31	6		
Wayne County	Jan. 1-31	20		
Total for State		310		
North Dakota	July 1-Feb. 19	168		
Ward County	Jan. 12-Mar. 31	27		
Sherwood	Jan. 12-Mar. 31	46		
Total for State		241		
Ohio, general	June 14-Jan. 2	337		
Ashtabula	Apr. 11-May 1	9		
Cincinnati	Dec. 12-Apr. 30	232	1	
Cleveland	Feb. 28-Apr. 30	6		
Columbus	Dec. 26-Apr. 24	16		Revised. 3 cases additional in Sept. and Oct.
Conneaut	Mar. 1-Apr. 29	3		
Dayton	Jan. 24-Feb. 20	5		
Newark		3		Year 1908.
Tiffin	Jan. 3-23	2		
Total for State		613	1	
Oregon:				
Clackamas County	Sept. 1-30	1		
Harney County	Sept. 1-30	1		
Jackson County	Oct. 1-Dec. 31	9		
Lane County	Dec. 1-31	10		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Dec. 31	4		
Multnomah County	Dec. 1-31	5		
Portland	Nov. 1-Feb. 28	91		
Polk County	Sept. 1-Dec. 31	9		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-Dec. 31	6		
Wallowa County	Oct. 1-31	1		
Washington County	Oct. 1-Dec. 31	23		
Yamhill County	Sept. 1-Dec. 31	17		
Total for State		183		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Castle	Feb. 1-28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 10-25	1		
Pittsburg	Dec. 13-19	1		Imported.
Prompton	Jan. 2-Feb. 10	3		
Total for State		11		
South Carolina:				
Winnsboro	Feb. 1-28	5		
Yorkville	Mar. 10-Apr. 26	14	8	And vicinity.
Total for State		19	8	
South Dakota:				
Aberdeen	May 1-Jan. 31	43		
Total for State		43		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Tennessee:				
Fayette County	Dec. 1–Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28–Apr. 24	25		
Memphis	Jan. 1–Mar. 13	190	1	
Murfreesboro	Mar. 15–31	1		
Nashville	Dec. 20–Apr. 24	45		
Polk County	Jan. 22	30		
Total for State		594	1	
Texas:				
Corpus Christi	Apr. 2			Present.
Cost	Oct. 1–Dec. 19			Do.
Cotulla	Jan. 25–Feb. 17			Do.
Denton County	Jan. 1–Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10–Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1–Mar. 31	13		
Galveston	Mar. 6–Apr. 16	8		
Goliad County	Dec. 1–Jan. 20	25		
Houston	Jan. 1–Mar. 27	9		
Laredo	Dec. 26–Mar. 19	6		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–Apr. 24	90		
San Augustine County	Jan. 5			Do.
Total for State		436	1	
Utah:				
Beaver County	Feb. 1–28	2		
Carbon County	Feb. 1–28	1		
Cache County	Jan. 1–Feb. 28	62		
Davis County	Nov. 1–Feb. 28	32		
Emery County	Feb. 1–28	4		
Garfield County	Dec. 1–Feb. 28	26		
Millard County	Jan. 1–31	1		
Salt Lake County	Dec. 1–Feb. 28	162		
Salt Lake City	Dec. 1–Mar. 31	334	1	
Sanpete County	Dec. 1–31	1		
Sevier County	Jan. 1–Feb. 28	76		
Summit County	Dec. 1–Feb. 28	32		
Utah County	Dec. 1–31	1		
Weber County	Nov. 1–Feb. 28	6		
Total for State		740	1	
Vermont:				
Brattleboro	Dec. 5–Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor Township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lithia	Mar. 1–Apr. 28	100		And vicinity.
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Portsmouth	Apr. 21–27	1		
Richmond	Mar. 14–Apr. 10	2	1	Death in county hospital.
Total for State		113	1	
Washington:				
Bellingham	Jan. 25–Mar. 23	10		
Camas	Dec. 29–Mar. 8	18		
Seattle	Oct. 1–Mar. 31	22		
Spokane	Dec. 6–Apr. 17	21	1	
Tacoma	Dec. 14–Apr. 4	69		
Total for State		140	1	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville				Present in January.
St. Albans	Feb. 16–Apr. 12	19		
Weston	Jan. 15–Feb. 13	1		
Total for State		21		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin:				
Adams County	July 1-Sept. 30	3		
Barron County	July 1-Sept. 30	1		
Chippewa County	July 1-Sept. 30	6		
Dane County	July 1-Sept. 30	1		
Dodge County	July 1-Sept. 30	1		
Douglas County	July 1-Sept. 30	28		
Dunn County	July 1-Sept. 30	1		
Fond du Lac County	July 1-Sept. 30	3		
Green County	July 1-Sept. 30	2		
Iron County	July 1-Sept. 30	2		
Kewaunee County	July 1-Sept. 30	1		
La Crosse County—				
La Crosse	Dec. 13-Apr. 24	48		
Manitowoc County—				
Manitowoc	Dec. 13-Feb. 27	14		
Marathon County	July 1-Sept. 30	2		
Milwaukee County—				
Milwaukee	Dec. 6-Apr. 24	181		
Monroe County	July 1-Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6-Apr. 17	3		
Ozaukee County	July 1-Sept. 30	3		
Pierce County	July 1-Sept. 30	4		
Polk County	July 1-Sept. 30	1		
Racine County—				
Racine	Mar. 21-Apr. 10	6		
Rusk County	July 1-Sept. 30	3		
Sheboygan County	July 1-Sept. 30	32		
Total for State		368		
Grand total for the United States		8,695	37	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	Apr. 24	38,973	11					1		2					
Ann Arbor, Mich	do	14,509	7			1	1					2		5	
Auburn, N. Y	Apr. 10	30,345	12	2	2					2					
Do	Apr. 17	30,345	13	1											
Baltimore, Md	Apr. 24	508,957	213	17	37	10	2	6		7	2	166	4	4	1
Bath, Me	do	10,477						2	1			1			
Bayonne, N. J	do	32,722						3		3		6			
Beaver Falls, Pa	do	13,000		5											
Berkeley, Cal	Apr. 17	13,214	4					3		1		2			
Biddeford, Me	Apr. 24	16,145	10												
Biloxi, Miss	do	5,467	2			1									
Binghamton, N. Y	do	38,647	15		5										
Boston, Mass	do	560,892	226	50	26	6	1	45	2	34	2	80	5	5	2
Braddock, Pa	do	15,654	7			4				1					
Bradford, Pa	do	15,029	9		1			4							
Bridgeport, Conn	Apr. 22	70,996	19	6	3	2		7	1	2		10	1		
Bristol, R. I	Apr. 24	6,901	3												
Brockton, Mass	do	40,063	7		1	1		1	1	1		79			
Butler, Pa	Mar. 7	10,853	4												
Do	Mar. 14	10,853	8		2			1							
Do	Mar. 21	10,853	7		2			1							
Do	Mar. 31	10,853	5		1			2							
Butte, Mont	Apr. 20	30,470	14		1			12		3					1
Cambridge, Mass	Apr. 24	91,886	28	13	6	1		14		5		21			
Camden, N. J	do	75,935	35			1		11		4					
Camden, S. C	do	2,441	8		1							7			

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Carbondale Pa	Apr. 24	13,536	5					1	1						
Charlotte, N. C	Apr. 23	18,091	8									15			2
Chelsea, Mass	Apr. 24	34,072	16	1	1	1		2		2					
Chicago, Ill	...do	1,698,575	630	105	83	29		145	8	91	11	347	6	16	3
Chicopee, Mass	...do	19,167	5	3								2		2	
Cincinnati, Ohio	Apr. 23	325,902	131	24	16	1	1	13		4		22		3	1
Cleveland, Ohio	...do	381,768	123	18	10	4	1	11	3	16		56	1	23	1
Clinton, Mass	Apr. 24	13,667	9							1	1				
Columbus, Ohio	...do	125,560	45	9	7	2		3		4		37		5	
Concord, N. H	Apr. 17	19,632	11	1	1			1				161			
Covington, Ky	Apr. 24	42,938	17		1			1							
Danville, Ill	Apr. 25	16,534	7					1		2					
Davenport, Iowa	...do	35,254		1						2					
Dayton, Ohio	Apr. 24	85,333	32	1	4							14			
Detroit, Mich	...do	285,704	134					11		10	3				
Dunkirk, N. Y	...do	11,616	5	1	1			1		1	1				
Duluth, Minn	Apr. 22	80,000	22	1	2	2		11		14	1	12			
Elmira, N. Y	Apr. 24	35,672	23	1	1	1		2		1		7			
El Paso, Tex	Apr. 27	15,905	26		4	1		2				6			
Elkhart, Ind	Apr. 24	15,184	3							1		1			
Erie, Pa	...do	52,733	25	7	3	1		3		1		75		18	2
Evansville, Ind	...do	59,007	19	1	1					2					
Everett, Mass	...do	24,336	7	1				4		2		1			
Fall River, Mass	...do	104,863	35	3	1			4	1	2	1	6			
Findlay, Ohio	Apr. 17	17,613	4												
Do	Apr. 24	17,613	3												
Galesburg, Ill	...do	18,607	9							1					
Galveston, Tex	Apr. 23	37,789	9	1	1	1				2					
Glens Falls, N. Y	Apr. 24	13,543	3	2	1			1				27			
Gloucester, Mass	...do	26,121	4												
Grand Rapids, Mich	...do	87,565	31	2	2			10		3		10			
Great Falls, Mont	...do	14,930	10			1		9	1	5	2				
Greensboro, N. C	...do	10,035	5		1										
Hammond, Ind	...do	12,376	6		1	1		2				10			
Harrison, N. J	...do	10,596	1					1		2					
Hartford, Conn	Apr. 18	79,850	48	6	8		1	4		3		1		1	
Haverhill, Mass	Apr. 24	37,175	11		2			1		8					
Hoboken, N. J	...do	59,364						1		4		1			
Homestead, Pa	Apr. 21	12,554	10	1				1		1		8			
Do	Apr. 28	12,554	5	1						1		4			
Hyde Park, Mass	Apr. 24	13,244	4					2							
Indianapolis, Ind	Apr. 25	169,164	53	4	6	1	1	4		2		61			
Jacksonville, Fla	Apr. 24	28,429	13	1	5	2				1					
Jersey City, N. J	Mar. 21	206,433	84	3	14		1	21	3	12	5	25		8	1
Do	Apr. 4	206,433	85	2	10			32		11		14		3	
Do	Apr. 11	206,433	109	1	11	1		38	2	9	5	23	1	3	1
Do	Apr. 18	206,433	101		5			51	2	10	4	39		5	1
Do	Apr. 25	206,433	105	1	16	1	1	19	4	7	3	12		5	2
Johnstown, Pa	Apr. 24	35,936	12		1			10	1	2		19			
Kansas City, Kans	...do	51,418	22	2	2	1	1			3		15		1	
Kearney, N. J	...do	10,896	2	1	1			4							
Kingston, N. Y	...do	24,535	9		1										
Knoxville, Tenn	...do	32,637	21	2	2	1	1					7	1	2	
La Crosse, Wis	...do	28,895	7												
La Fayette, Ind	Apr. 26	18,116	14				1					1			
Lancaster, Pa	Apr. 24	41,459	12					2		1		2			
Lawrence, Mass	...do	62,559	36	5	3	2						39	1		
Lexington, Ky	...do	26,369			1					1				1	
Little Falls, N. Y	Apr. 10	10,381	1	3				4		2					
Do	Apr. 17	10,381	5	3				2		1					
Do	Apr. 24	10,381	5	3	1			6							
Los Angeles, Cal	Apr. 21	102,479	76	18	15	4		22	1	6		2			
Lowell, Mass	Apr. 24	94,969	30	3	3		2	2	1	1		8			1
Lynchburg, Va	...do	18,891												1	
Lynn, Mass	...do	68,513	21					3		3		18			
Macon, Ga	Apr. 25	22,746	4		3							1			
Malden, Mass	Apr. 24	33,664	11	1	3			4		3		1		3	
Manchester, N. H	...do	56,987	29	2	2	1	1			3	1				
Manitowoc, Wis	...do	11,786	8	1	1			1							
Marinette, Wis	...do	16,195	4												
Marlboro, Mass	Apr. 17	13,609	3			1						1			

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census. 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Massillon, Ohio	Apr. 24	11,944	3												
Melrose, Mass	...do	12,962	5					2						2	
Medford, Mass	...do	18,244	7					1				1			
Milwaukee, Wis	...do	285,315	97	17		12	2	32	1	14	4	50	1	3	
Minneapolis, Minn	Apr. 17	202,718	68	16	6	7	2	17	2	33	2				
Do	Apr. 24	202,718	56	9	9	3	1	11	1	23					
Mobile, Ala	...do	38,469	20		4										
Montclair, N. J	...do	13,962	2	5				1				5		7	
Montgomery, Ala	Apr. 23	30,346	17		1										
Moline, Ill	Apr. 25	17,248	7				1	4				10			
Mount Vernon, N.Y.	Apr. 24	21,228	6					2		1		9			
Muncie, Ind	...do	20,942	4	1										1	
Nanticoke, Pa	Apr. 25	12,616	4					1				7			
Nashville, Tenn	Apr. 24	80,865	34	1	5					1					
Nebraska City, Nebr.	...do	7,200	2												
Newark, N. J	...do	246,070	110		20	2		46	3	14	1				
New Bedford, Mass	...do	63,442	30	3	5			5				2			
Newburyport, Mass	...do	14,478	3											1	
New London, Conn	...do	17,548	2	1	1										
New Orleans, La	...do	278,104	103	19	18	5		109		5	1	2			
Newport, Ky	Apr. 17	28,301	10		3		1								
Do	Apr. 24	28,301	10		1		2								
Newton, Mass	...do	33,587	10	1	2	1		4		3		36			
New York, N. Y	...do	3,437,202	1,594	578	211	26	4	297	17	319	44	1274	47	84	4
Niagara Falls, N.Y.	...do	19,457	9			1		5		1	1	1			
Norristown, Pa	...do	22,265	8									23		2	
North Adams, Mass	...do	24,200	6		2			4							
Northampton, Mass	...do	18,643	9	1	1			1				20			
Oakland, Cal	Apr. 19	66,960	24		1	1		5				16			
Orange, N. J	Apr. 24	24,141	7	3	1			1		2					
Paducah, Ky	...do	19,446	5												
Palmer, Mass	Apr. 17	7,801	2					1				1			
Do	Apr. 24	7,801										1			
Passaic, N. J	Apr. 23	27,777	13					2		1		15		3	
Peekskill, N. Y	Apr. 24	10,358	5	1				1		1		1			
Pittsburg, Pa	...do	321,616	141	70	7	12		16		12	1	19	1	39	4
Pittsfield, Mass	...do	21,766	8							1					
Plainfield, N. J	...do	15,369		2	2	1		1							
Plymouth, Pa	...do	13,649										1			
Portsmouth, N. H	...do	10,637			1							1			
Portsmouth, Va	Apr. 27	17,427	10					3		1		1			
Pottstown, Pa	Apr. 24	13,696	2												
Providence, R. I	...do	175,597	71	18	7	2		6		4	1	2			2
Racine, Wis	...do	29,102	9		2		1								
Reading, Pa	Apr. 26	78,961	26	1		3	1	4		3				3	
Richmond, Va	Apr. 24	85,050	46	9	6	2									
Rockford, Ill	...do	31,051						4							
Rock Island, Ill	Apr. 17	19,493	10		1										
Sacramento, Cal	...do	29,282	21		2					3		1			
Do	Apr. 24	29,282	14	1	4	1				2				2	
Saginaw, Mich	Apr. 17	42,345	18	2	2					1					
Do	Apr. 24	42,345	15	1	1							1			
St. Louis, Mo	...do	575,238	199	43	21	2		18	2	31	2	477	5	3	
Salem, Mass	...do	35,956		4	1			6		1		1			
San Antonio, Tex	...do	53,321				1									
Sandusky, Ohio	Apr. 3	19,664										3			
Do	Apr. 10	19,664	3		1	2		1		1		4			
Do	Apr. 17	19,664	7									4			
Do	Apr. 24	19,664	8		1	2		1		1		2			
San Francisco, Cal	Apr. 17	342,782	130	38	18			12		18	2	59		15	1
San Jose, Cal	...do	21,500	7		1										
Schenectady, N. Y	...do	31,682	10	3	3			3				7			
Do	Apr. 24	31,682	16	5	1			3	2	1		2			
Shamokin, Pa	...do	18,202	4	2								29	1		
Somerville, Mass	...do	61,643	19	4				5	1	7		17		3	
South Bend, Ind	...do	35,999	15	3	3			2		4					
South Bethlehem, Pa.	...do	13,241	9		1	2		3				6		1	
Spokane, Wash	Apr. 17	38,848	34		1			37	1	7	2	52			
Springfield, Ill	Apr. 23	34,159	19					1		1					
Springfield, Mass	Apr. 24	62,059	25	3				1		3		5		4	
Springfield, Ohio	...do	38,253	10	1	1							2			

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Steelton, Pa	Apr. 24	12,068	3	1				2		3					
Superior, Wis	do	31,091	9			3		9	2						
Tacoma, Wash	Mar. 21	37,714	14		2			7	1	3					
Do	Mar. 28	37,714	24		4			6		1					
Do	Apr. 4	37,714	18					5		2					
Do	Apr. 11	37,714	18		3			4		2	1				
Do	Apr. 18	37,714	20					4		1	1				
Do	Apr. 25	37,714	18	1	1			6	1	2		1			
Taunton, Mass	Apr. 24	31,036	14	2	3			4			1	1		2	
Titusville, Pa	do	8,244	1												
Trenton, N. J	do	73,307		7	4	3		1		1					
Walla Walla, Wash	do	10,049	2			1		1							
Washington, D. C	do	278,718	116	24	14	14	3	13		6	1	159	4	14	
Waltham, Mass	do	23,481	7	3	2			1		2		18			
Weymouth, Mass	do	11,324	1									1			
Wheeling, W. Va	Apr. 17	38,878	10	5	1	1						16			
Do	Apr. 24	38,878	16	5	2	1	1			3	1	10			
Wichita, Kans	do	24,671						2				50			
Wilkes-Barre, Pa	Apr. 23	51,721	21	2				6		4		186		4	
Williamsport, Pa	Apr. 24	28,757	8		1	1		1							
Wilmington, Del	do	76,508	21		3										
Winona, Minn	Apr. 27	19,714	8												
Woburn, Mass	Apr. 24	14,254	5		2			1							
Worcester, Mass	Apr. 17	118,421	54	6	2	1		8		5		6		1	
Do	Apr. 24	118,421	33	6	3	2		2		7		3			
Yonkers, N. Y	Apr. 22	47,931	28	4	5			18		2	1	19			
Do	Apr. 29	47,931	29	9	4			11	1	1		10			
York, Pa	Apr. 24	33,708		29				3		1					
Zanesville, Ohio	do	23,538	6		3	9	2			1					

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FOREIGN AND INSULAR.

BARBADOS.

Report from Bridgetown—Inspection of vessels—Status of yellow fever.

Acting Assistant Surgeon Urquhart reports, April 17:

Week ended April 17. Bills of health were issued to 8 vessels. Four vessels were fumigated. Total number of passengers 58; total members of crews, 424.

One new case of yellow fever, with 1 death, was reported during the week. The case was in the interior, 12 or 14 miles distant. The patient was colored.

CHINA.

Report from Amoy—Inspection of vessels—Examination of emigrants—Leprosy and smallpox.

Passed Assistant Surgeon Foster reports, March 22:

Week ended March 20. Bill of health issued to the steamship *Taisang*, with 68 in the crew and 13 cabin and 201 steerage passengers for Manila. All the passengers were vaccinated and inspected prior to sailing. One steerage passenger was rejected for trachoma.

Leprosy and smallpox are present in Amoy.

Report from Canton—Plague.

Consul Bergholz reports, March 16 and 22:

Plague is present in the Tartar quarter of the city and in the district along the river front, with a total of 35 reported cases and 30 deaths during the weeks ended March 13 and 20.

Report from Hongkong—Quarantine restrictions—Plague and smallpox—Examination of emigrants—Inspection of vessels.

Acting Assistant Surgeon Hough reports, March 23:

Week ended March 13. Restrictions enforced by Hongkong remain as reported January 30.

Restrictions enforced against Hongkong remain as reported January 30.

Quarantinable diseases: Plague, 4 cases, 1 death; smallpox, 3 cases, 3 deaths.

Aliens for Honolulu and Pacific coast ports: Examined, 9; rejected, 2.

Aliens for Philippine Islands: Examined, 22; rejected, 15.

Vessels inspected and granted bills of health, 5.

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Week ended March 20. Restrictions enforced against Hongkong are as follows:

Place or port.	Nature of measures.
Burma	Hongkong declared an infected port.
Dutch Indies	Hongkong declared an infected port. Importation is temporarily prohibited of animal refuse, claws and hoofs, animal or human hair and bristles, untanned hides salted or cured with arsenic, raw wool, and rags, bags, or sacks which have already been used, coming from or transshipped at Hongkong; also tapestry and used embroideries, unless they are transported as personal baggage or in consequence of change of residence.
Bengal	Hongkong declared an infected port.

Disease.	Port or place.	Restrictions enforced.
Smallpox	Bangkok	Medical examination; quarantine at the discretion of the health officer.

Quarantinable diseases: Plague, 1 case, 5 deaths; smallpox, 2 cases, 1 death.

Aliens for Honolulu and Pacific coast ports: Examined, 115; rejected, 37.

Aliens for Philippine Islands: Examined, 7; rejected, 6.

Vessels inspected and granted bills of health, 10.

Report from Shanghai—Inspection of vessels—Examination and disinfection of emigrants—Municipal house cleaning—Plague-infected rats.

Acting Assistant Surgeon Ransom reports, March 23:

Week ended March 20. One original and 2 supplemental bills of health were granted to 3 steamships, having an aggregate personnel of 460. There were inspected 2 vessels, 143 members of crews, and 2 steerage passengers. The living quarters of 1 vessel were rendered mechanically clean, and the native crew, numbering 42, were bathed and disinfected. Manifests were viséed for 2,355 pieces of freight. One intending emigrant for San Francisco per steamship *Asia* was recommended to wait on account of suspicious eye trouble, and 1 emigrant for Honolulu per steamship *Asia* was examined and passed.

The weekly report of the municipal health officer shows among foreigners 1 new case of smallpox.

There were no developments of special sanitary interest during the week. The plague situation seems about the same as at the time of last report, but a favorable feature is that the whole community is cooperating as far as possible with the health authorities in their efforts to effect general municipal house cleaning. Plague-infected rats continue to be found in all sections of the settlement.

Reports from Tientsin and Hankau to March 6 and 13, respectively, show no quarantinable diseases present.

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CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, April 19:

Week ended April 17.

Vessels inspected	5
Bills of health issued	5
Members of crews inspected	109

Report from Habana—Inspection and fumigation of vessels.

Passed Assistant Surgeon Amesse reports, April 26:

Week ended April 24.

Bills of health issued	25
Vessels inspected	22
Members of crews of outgoing vessels inspected	1,010
Passengers of outgoing vessels inspected	566

The sanitary department advises that the entire island is free of quarantinable diseases.

Report from Matanzas—Inspection of vessels—Epidemic measles—Scarlet fever—Leprosy.

Acting Assistant Surgeon Nuñez reports, April 26:

Week ended April 24. Bills of health issued to 6 vessels leaving for United States ports.

The local epidemic of measles is on the increase, although no deaths from the disease have been reported. Scarlet fever has again made its appearance in the city district known as Pueblo Neuvo. Proper sanitary measures are reported as being taken to prevent the spread of these diseases.

With the exception of 1 death from leprosy, no quarantinable diseases were reported for the 10 days ended April 20.

Report from Santiago—Inspection of vessels—Leprosy.

Acting Assistant Surgeon Wilson reports, April 21:

Week ended April 17. Bills of health issued to 7 vessels bound for the United States and its dependencies.

The United States gunboat *Dubuque*, going to the Guantanamo Naval Station via the Target Range was given bill of health, by request.

No new case of quarantinable disease has been reported. The 3 cases of leprosy previously reported are still under treatment. (See Public Health Reports, April 16, 1909, page 497.)

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GERMANY.

Report from Berlin—Status of cholera in Russia.

The following is received from Consul-General Thackara, under date of April 5:

According to official statistics just published, there was registered in the whole of the Russian Empire during the week ended March 13 a total of 31 cholera cases, with 19 deaths.

Week ended March 20. Forty-five cases of cholera with 8 deaths.

GUATEMALA.

Report from Puerto Barrios, fruit port.

Acting Assistant Surgeon Ames reports as follows:

Week ended April 17, 1909. Present officially estimated population, 250. General sanitary condition of this port and the surrounding country during the week, very good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Apr. 14	Belize	Mobile	18		5	
15	H. T. Inge	New Orleans	33	21	5	

Temperature taken of all persons on above-named vessels day of sailing.

HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, in temporary charge, reports, April 12:

Week ended April 10.

Total rats taken	653
Trapped	602
Shot from trees	50
Found dead (mus musculus)	1
Examined bacteriologically	558
Plague infected	0
Classification of rats trapped:	
Mus alexandrinus	108
Mus musculus	223
Mus norvegicus	173
Mus rattus	98
Classification of rats shot from trees:	
Mus alexandrinus	29
Mus rattus	11
Average number of traps set daily	1,410
Rat killed by sulphur dioxid	1
Classification of rat killed by sulphur dioxid:	
Mus alexandrinus	1

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HONDURAS.

Report from Ceiba, fruit port—Stegomyia calopus present—Sanitary conditions.

Acting Assistant Surgeon Jumel reports:

Week ended April 21. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good.

Local sanitary conditions improved considerably by heavy rainfall. *Stegomyia calopus* present. Very little work along sanitary lines is now in progress.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Apr. 14	Union	6	0	0	0
16	Rosina	31	2	0	0
17	Viator	16	0	0	0
21	Orleanian	32	4	0	0

Temperature of all persons on above-named vessels taken at time of clearance.

Report from Puerto Cortez, fruit port.

Acting Assistant Surgeon Wailes reports:

Week ended April 21. Present officially estimated population, about 2,500. General sanitary condition of this port and the surrounding country, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Apr. 16	Kong Frode	18	2	.....	.....
17	Marietta	19	2	.....	.....
20	Fjell	16	6	.....	.....
21	Mercator	18	.....	.....	.....
21	Origen	27	.....	.....	.....

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

April 17. Present officially estimated population, about 1,250. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 12	Kong Fjord	New Orleans	18	2	0
13	John Wilson	do	17	0	0
14	Emma Grace	Tampa	5	0	0
16	Viator	New Orleans	16	0	0

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INDIA.

Report from Calcutta—Care of lepers in India.

The following is received from Consul-General Michael, under date of March 25:

According to the latest estimate there are about 400,000 lepers in India. This estimate does not include those tainted with leprosy, but covers only those who have developed the disease sufficiently to be easily recognized as confirmed lepers. There are several institutions in India for the treatment and care of this class of unfortunates, but the larger number of them are outside of any asylum or mission maintained for their benefit. The Scottish Rite Mission for Lepers in India and the East has been laboring among lepers for 35 years and has 76 places where lepers are given a home and free treatment. This mission has recently built a new lazaretto at Khondwa, near Poona, where the headquarters of the mission is located. Other missions are engaged in the same work, and the results indicate that great good has been and is being accomplished.

JAPAN.

Report from Yokohama—Examination of emigrants.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Mongolia* for Honolulu April 7: Recommended for rejection 2; held for observation 2. For San Francisco, held for observation 1.

Rejections and detentions were for trachoma.

Report from Formosa—Plague.

Consul Deichman reports, March 27:

Plague is present in the prefectures of Kagi, Yensuiko, and Tainan in the southern part of the island of Formosa.

Report from Kobe—Inspection of vessels—Examination and disinfection of emigrants—Plague.

Acting Assistant Surgeon Knight reports, March 30:

Week ended March 27. Supplemental bills of health granted to 3 steamships.

There were inspected 32 members of crews and 102 steerage passengers. Twenty-five steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 64 and bedding 50. Manifests were viséed for 29,296 pieces of freight, amounting to 2,511 tons.

Emigrants were examined as follows: Steamship *Asia* for Honolulu, passed 12, recommended for rejection 9; steamship *Asia* for San Francisco, passed 0, recommended for rejection 2; steamship *Tosa Maru* for Seattle, passed 7, recommended for rejection 11.

The emigrants passed, together with 6 intending passengers to Victoria by the steamship *Tosa Maru*, were inspected, bathed, and disinfected. Their effects were disinfected before embarkation.

The official returns of infectious diseases for the week show that there were reported in Kobe 1 case of plague, with 1 death.

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MEXICO.

Report from Coatzacoalcos—Inspection and fumigation of vessels.

Acting Assistant Surgeon Thompson reports, April 22:

Week ended April 21. Three vessels inspected and passed. One vessel fumigated.

No illness occurred on these vessels while in port.

Report from Progreso—Sanitary conditions—Yellow fever at Ticul.

Acting Assistant Surgeon Harrison reports, April 15:

The sanitary condition of this port appears to be fairly good. No contagious diseases present at Progreso.

One fatal case of yellow fever has been reported recently in Ticul, a small town in the interior.

Report from Tampico—Inspection and fumigation of vessels.

Acting Assistant Surgeon Stowe reports, April 22:

Week ended April 21.

Vessels inspected and passed	5
Bills of health issued	5
Members of crews of outgoing vessels inspected	155
Passengers of outgoing vessels inspected	5
Vessels fumigated prior to sailing	3

No cases of quarantinable disease occurred during the week.

Report from Veracruz—Smallpox along railway lines—Typhus fever in Mexico City.

Acting Assistant Surgeon Carter reports, April 19:

Week ended April 18. One case of smallpox was reported, with 1 death. The case was isolated. It is reported that smallpox is prevalent on most of the lines of railroad throughout the country, and an order has been issued for the vaccination of all railroad employees on the several lines. Smallpox is very prevalent in Mexico City.

Yellow fever work is still going on with regularity, and no new cases have been reported.

A number of cases of typhus fever exist in Mexico City. There have been a number of deaths from the disease. Passengers coming from that point are being very closely inspected. The temperatures are being taken of all steerage passengers bound for New York and the Southern States.

NICARAGUA.

Reports from Bluefields, fruit port.

Acting Assistant Surgeon Layton reports:

Week ended April 14. Present officially estimated population, 2,500. General sanitary condition of this port and the surrounding country during the week, good.

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Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 8	Bluefields	New Orleans	22	4	0
13	Agnella	do	18	0	0

Temperatures of personnel and passengers taken prior to sailing.

Week ended April 21. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 17	U. S. S. Marietta	Port Limon	164	0	0
21	Imperator	New Orleans	20	5	0

Temperatures of all on board steamship *Imperator* taken prior to departure.

PERU.

Report from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Plague in Callao—Plague in Chilean ports.

Acting Assistant Surgeon Gutierrez reports, April 12:

Two weeks ended April 10. During the week ended April 3, 3 steamships were fumigated. They carried an aggregate personnel of 174 members of crews and 35 cabin and 28 steerage passengers. During the week ended April 10, 1 steamship was fumigated. It carried an aggregate personnel of 125 members of crew and 70 cabin and 79 steerage passengers.

The following is the latest report on plague in Peru received from the Director de Salubridad Publica:

Locality.	Cases Mar. 19.	New.	Recovered.	Died.	Remaining Apr. 1.
Department of Lima	11	13	5	4	15
Department of Callao	2	4	1	2	3
Department of Libertad	34	11	12	2	31
Department of Lambayeque	17	11	12	1	15
Department of Arequipa	1	1	0	1	1
Department of Cajamarca	12	36	1	24	23

No cases of smallpox have been reported in Lima or Callao.

Since March 29, 5 cases of plague, with 1 death, have occurred at Callao.

Bills of health report plague in Chile as follows: Antofagasta, April 3, 11 cases isolated; Iquique, April 4, 17 cases isolated, with 9 cases and 4 deaths during the past 2 weeks.

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PHILIPPINE ISLANDS.

Report from Manila—Smallpox—Status of cholera in the Provinces—Inspection of vessels.

Chief Quarantine Officer Heiser reports, March 15:

Week ended March 13. Eight cases of smallpox with 3 deaths were reported from the city of Manila.

Provincial cholera cases and deaths reported to the bureau of health during the week:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Bohol	133	54	Samar	23	9
Capiz	66	33	Sorsogon	1	.....
Pampanga	15	14			
Occidental Negros	4	3	Total	242	113

Consular bills of health issued as follows:

March 8, the British steamship *Suruga*, en route from Yokohama via Hongkong to New York, granted a supplemental bill of health. Vessel, on account of being in distress by reason of an accident, took no cargo at this port, but returned to Hongkong for docking and repairs.

March 11, the British steamship *Gymeric*, with 39 in the crew, granted a bill of health for Tacoma via Hongkong and Japan ports. Personnel inspected and passed at the hour of sailing; cargo inspected and certified during loading.

March 13, the British steamship *Sungkiang*, with 68 in the crew and 72 passengers, en route from Hongkong to Iloilo and Cebu, granted a supplemental bill of health.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Kimberly.*—Month ended March 13, 1909. Estimated population, 44,141. Total number of deaths, 60, including 2 from enteric fever.

Transvaal—Johannesburg.—Two weeks ended March 20, 1909. Estimated population, 180,687. Total number of deaths, 164, including enteric fever 7, measles 2, whooping cough 1, diphtheria 1, and 31 from tuberculosis.

ALGERIA—*Algiers.*—Month of March, 1909. Estimated population, 155,000. Total number of deaths, 405, including enteric fever 2, smallpox 17, typhus fever 3, whooping cough 1, measles 7, and 77 from tuberculosis.

AUSTRIA-HUNGARY—*Brunn.*—Month of February, 1909. Estimated population, 108,944. Total number of deaths, 245, including tuberculosis 48, diphtheria 2, and scarlet fever 4.

BRAZIL—*São Paulo, Santos, and Campinas.*—Two weeks ended March 14, 1909. Estimated population, 300,000. Total number of

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deaths, 338, including smallpox 2, measles 3, enteric fever 3, diphtheria 1, and 18 from tuberculosis.

FRANCE—*Nantes.*—Month of March, 1909. Population, 1900, 132,900. Total number of deaths, 399, including enteric fever 1, diphtheria 9, measles 3, scarlet fever 19, smallpox 1, and 61 from tuberculosis.

Roubaix.—Month of March, 1909. Estimated population, 121,115. Total number of deaths, 221, including enteric fever 1, measles 1, and 32 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended April 10, 1909, correspond to an annual rate of 17 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand four hundred and seventy deaths were registered during the week, including measles 95, scarlet fever 11, diphtheria 16, enteric fever 2, whooping cough 33, tuberculosis 131, and 8 from diarrhea. The deaths from all causes correspond to an annual rate of 19.9 per 1,000. In Greater London 2,119 deaths were registered. In the "outer ring" the deaths included 19 from measles, 1 from diphtheria, and 13 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended April 10, 1909, in the 21 principal town districts of Ireland was 24.4 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Tralee, viz, 5.3, and the highest in Newtownards, viz, 40.1, per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended April 10, 1909, correspond to an annual rate of 17.7 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 20.6, and the lowest in Paisley, viz, 11.9, per 1,000. The aggregate number of deaths registered from all causes was 634, including diphtheria 9, measles 3, scarlet fever 3, enteric fever 4, and 55 from whooping cough.

Aberdeen.—Month of March, 1909. Estimated population, 181,918. Total number of deaths 313, corresponding to an annual death rate of 20.3 per 1,000 of population, including measles 3, scarlet fever 1, whooping cough 31, diphtheria 4, enteric fever 2, and 37 from tuberculosis.

Dundee.—Month of March, 1909. Estimated population, 169,409. Total number of deaths, 349, corresponding to an annual death rate of 24.3 per 1,000 of population, including measles 2, scarlet fever 4, whooping cough 13, diphtheria 6, and 51 from tuberculosis.

Edinburgh.—Month of March, 1909. Estimated population, 355,-366. Total number of deaths, 580, corresponding to an annual death rate of 19.2 per 1,000 of population, including scarlet fever 3, whooping cough 21, diphtheria 2, and 65 from tuberculosis.

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Glasgow.—Month of March, 1909. Estimated population, 872,021. Total number of deaths, 1,679, corresponding to an annual death rate of 22.7 per 1,000 of population, including measles 1, scarlet fever 14, whooping cough 178, diphtheria 22, enteric fever 10, and 171 from tuberculosis.

NETHERLANDS—*Schiedam.*—Six weeks ended April 3, 1909. Estimated population, 31,193. Total number of deaths, 47, including 2 from tuberculosis.

SPAIN—*Cadiz.*—Month of March, 1909. Estimated population, 69,382. Total number of deaths, 217, including enteric fever 1, whooping cough 28, and 33 from tuberculosis.

Gibraltar.—Annual report for the year 1908. Estimated population, 18,316. Total number of deaths, 309, corresponding to an annual death rate of 16.87 per 1,000 of population, including measles 5, whooping cough 2, diphtheria 1, enteric fever 2, and 42 from tuberculosis.

Seville.—Month of March, 1909. Estimated population, 148,315. Total number of deaths, 477, including measles 7, enteric fever 1, diphtheria 2, and 70 from tuberculosis.

TURKEY—*Smyrna.*—Month of March, 1909. Estimated population, 400,000. Total number of deaths, 250, including enteric fever 3, smallpox 4, diphtheria 2, and 46 from tuberculosis.

URUGUAY—*Montevideo.*—Month of February, 1909. Estimated population, 312,388. Total number of deaths, 397, including smallpox 11, measles 1, scarlet fever 5, diphtheria 1, enteric fever 4, and 40 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to May 7, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Jan. 2	16	13	
China:				
Hongkong	Dec. 28-Jan. 16	2	2	
India:				
Bombay	Dec. 9-Apr. 6		102	
Calcutta	Nov. 1-Mar. 27		643	
Madras	Nov. 14-Apr. 2		60	
Negapatam	Oct. 31-Mar. 12		33	
Rangoon	Nov. 8-Mar. 27		67	
Indo-China:				
Cholen	Nov. 9-15	1	1	
Saigon	Mar. 1-6	2	2	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Manila	Nov. 1–Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1–Jan. 16	260	163	
Bataan	Nov. 1–7	1	1	
Bohol	Dec. 20–Mar. 13	420	199	
Bulacan	Nov. 1–Feb. 27	82	71	
Cagayan	Nov. 1–Jan. 16	114	67	
Capiz	Nov. 1–Mar. 13	1,450	822	
Cavite	Nov. 1–Feb. 20	110	81	
Cebu	Dec. 20–Feb. 6	21	15	
Ilocos Norte	Nov. 1–Jan. 16	335	235	
Ilocos Sur	Nov. 1–Jan. 2	207	140	
Iloilo	Nov. 1–Mar. 6	294	154	
Isabela	Jan. 24–30	2		
Laguna	Nov. 1–Mar. 6	119	81	
Leyte	Nov. 1–Mar. 6	158	125	
Negros Occidental	Nov. 1–Mar. 13	275	178	
Nueva Ecija	Feb. 14–20	1	1	
Palawan	Nov. 1–Dec. 19	10	5	
Pampanga	Nov. 1–Mar. 13	95	68	
Rizal	Nov. 1–Feb. 20	246	216	
Samar	Nov. 1–Mar. 13	196	223	
Sorsogon	Jan. 10–Mar. 13	100	65	
Surigao	Nov. 15–Jan. 12	7	4	
Union	Nov. 1–Jan. 12	12	8	
Zambales	Dec. 6–12	3	3	
Russia, general	Nov. 15–Apr. 4	4,290	1,778	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15–Jan. 23	34	13	
Bakoo	Nov. 22–28	3	2	
Batoon	Nov. 15–21	4	2	
Charkov	Dec. 6–Mar. 13	6	1	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Mar. 6	190	97	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7–Mar. 20	63	28	
Kherson	Nov. 15–Dec. 19	2		
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1		
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–Jan. 30	8	8	Including Brownitsa.
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3		
Romanov-Borisoglyebsk	Mar. 10			Present.
Rybinsk	Mar. 13	7		
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of	Dec. 19–26	1		
Stavropol	Nov. 15–21	1		
St. Petersburg, government	Nov. 15–Mar. 19	35		
St. Petersburg	Nov. 29–Apr. 10	2,290	710	
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 23	102	48	
Toula	Feb. 21–Mar. 6	7	2	
Tver district	Nov. 15–Dec. 5	4		
Volgoda	Dec. 6–12	1		
Yelisavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–Dec. 5	1		
Straits Settlements:				
Penang	Feb. 27	1		From s. s. Sunki Maru.
Singapore	Nov. 8–Feb. 27		165	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Barbados, general	Dec. 12-Apr. 17	64	22	Including the parishes of St. Andrew, St. John, St. Joseph, St. Lucy, St. Michael, and St. Thomas.
Bridgetown	Dec. 12-Mar. 20	11		
Speightstown	Mar. 7	1		
Brazil:				
Bahia	Nov. 15-Mar. 27	157	60	
Manaos	Nov. 29-Apr. 3		16	
Para	Nov. 22-Apr. 10		53	
Pernambuco	Nov. 15-Mar. 15		3	
Colombia:				
Cartagena	Jan. 8-14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1-2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1-Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29-Apr. 3		98	
Martinique:				
Fort de France	Dec. 13-Mar. 6	5	1	
Mexico:				
Itzincal plantation	Dec. 6-12	2	2	
Maxcanu	Dec. 6-Jan. 23	5	4	Aug. 22-Dec. 18, 5 cases not previously reported.
Merida	Dec. 6-Apr. 13	16	8	
San Bernardo plantation	Dec. 27-Mar. 20	7	4	
Sodzil plantation	Dec. 13-Jan. 2	7	5	
Ticul	Feb. 1-Apr. 13	4	2	
Veracruz	Dec. 6-Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Azores:				
Fayal	Apr. 1	1		
Terceira	Mar. 31-Apr. 1	17	6	
Australia:				
Brisbane	Nov. 1-7	1	1	
Brazil:				
Bahia	Nov. 15-Mar. 27	60	27	
Para	Jan. 24-Feb. 6		2	
Pernambuco	Nov. 1-Dec. 31		10	
Rio de Janeiro	Nov. 16-Mar. 28	75	36	
Chile:				
Antofagasta	Feb. 28-Mar. 11	32		Apr. 3, 11 cases in lazaretto.
Arica	Mar. 9			Present.
Iquique	Jan. 1-Apr. 4	51	19	Year 1908, 133-70; Apr. 4, 17 cases in the lazaretto.
Magillones	Mar. 9-10	70		
Taltal	Feb. 11			Present.
China:				
Amoy	Mar. 6	1		Present Mar. 20, and present at Wuchang in September.
Canton	Mar. 6-20	35	25	
Chinchew	Mar. 7-13			Present.
Fukien province, Chang Poo	Mar. 7-13			Epidemic.
Hankau	Nov. 30-Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8-Mar. 6	11	9	
Tamchou	Dec. 19			Vicinity of Hainan; present.
Tientsin	Oct. 18-Nov. 21			Feb. 16, again present.
Tongshan	Nov. 1-14			Present.
Ecuador:				
Babohoyo	Jan. 16	3		
Guayaquil	Nov. 29-Apr. 3		85	
Milagro	Nov. 17-Jan. 18	18	8	
Nissag	Jan. 16	7		
Tolte	Dec. 25-Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14-Jan. 20	4		
Port Said	Dec. 4	1		
Suakim	Feb. 1	1		On ss. Huriet II.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt—Continued.				
Provinces—				
Assiout	Dec. 2–Mar. 20	19	13	
Beherach	Nov. 24–Dec. 26	11	6	
Dakaklieh	Feb. 4–Mar. 20	6	6	
Galyoobeeyeh	Nov. 21–Feb. 2	3		
Garbieh	Nov. 27–Jan. 28	4	2	
Girgeh	Oct. 18–Mar. 14	8	8	
Fayoum	Nov. 23–Dec. 1	1	1	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Apr. 1	13	5	
German East Africa:				
Dar-es-Salaam	Oct. 10–Jan. 7	7	5	
Great Britain:				
Elstree	Feb. 3–4	1	1	At plague laboratory.
India:				
Bombay Presidency and Sind.	Nov. 2–Mar. 20	19,451	13,886	
Madras Presidency	Nov. 2–Mar. 20	1,101	789	
Bengal	Nov. 2–Mar. 20	4,731	3,946	
United Provinces	Nov. 2–Mar. 20	7,096	5,934	
Punjab	Nov. 2–Mar. 20	13,279	10,673	
Burma	Nov. 2–Mar. 20	4,783	4,530	
Central provinces, including Berar.	Nov. 2–Mar. 20	5,268	4,141	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Mar. 20	2,823	2,026	
Hyderabad State	Nov. 2–Mar. 20	616	509	
Central India	Nov. 2–Mar. 20	750	582	
Rajputana	Nov. 2–Mar. 20	2,757	2,513	
Kashmir	Mar. 14–20	5	2	
Grand total		62,665	49,534	
Indo-China:				
Cholen	Oct. 25–Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25–Mar. 13	24	20	
Japan:				
Amagasaki	Feb. 27			Present.
Awaji Island, Sumoto	Feb. 27			Do.
Formosa	Nov. 8–Mar. 27	361	292	Mainly in the central and south central part.
Kagi, prefecture	Jan. 16	5		
Hiogo, prefecture				Year 1908, 219 cases additional.
Kagoshima, prefecture	Feb. 6	1		From ss. Shinkochi Maru.
Kobe	Jan. 20–Mar. 27	5	4	3 cases from ss. Ghazee. Feb. 27, again present.
Mikagi	Feb. 27			Present.
Nara, prefecture				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases. Feb. 28, still present.
Osaka	Dec. 22–Jan. 29	3	1	Year 1908, 59 cases additional. Case Jan. 29, on ss. Shinkochi Maru.
Tokushima, prefecture		1		Year 1908.
Yura		116	83	Do.
Mauritius	Oct. 2–Jan. 31		106	
Peru:				
Arequipa, general	Feb. 19–Apr. 1	6	4	
Mollendo	Nov. 1–Feb. 18	1	5	
Cajamarca, general	Feb. 19–Apr. 1	55	31	
Cascas	Feb. 12–18	12	5	
Chota	Jan. 22–Feb. 18	8	8	
Callao, general	Feb. 19–Apr. 1	7	3	
Callao	Nov. 13–Feb. 18	18	11	Apr. 12, present.
Lambayeque, general	Feb. 19–Apr. 1	39	15	
Chiclayo	Nov. 13–Feb. 18	44	23	
Eten	Nov. 13–Dec. 31	11	10	
Jayanca	Feb. 4	12		
Lambayeque	Feb. 18–Mar. 4	6	5	
Motupe	Dec. 17–Jan. 14	2		
San Jose	Nov. 13–Dec. 3	2		
Zaña	Jan. 14–Feb. 18	4	2	
Libertad, general	Feb. 19–Apr. 1	56	19	
Casma	Feb. 4	1	1	
Chepen	Nov. 27–Feb. 18	19	6	
San Pedro	Nov. 13–Feb. 18	28	21	
Trujillo	Nov. 13–18	153	70	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Lima, general	Feb. 19–Mar. 18	15	3	
Chorrillos	Jan. 22–Feb. 4	2	2	
Lima	Nov. 13–Feb. 13	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15		
Piura, general	Feb. 19–Mar. 4	2	1	
Catacaos	Dec. 11–Feb. 18	7		
Paita	Dec. 11–17	3	2	
Piura	Dec. 11–Jan. 14	6	4	
Russia:				
Libau	Mar. 30–Apr. 5	1		
Siam:				
Bangkok	Sept. 27–Dec. 26	12	6	Present in November.
Straits Settlements:				
Singapore	Nov. 30–Feb. 6	2	2	
Turkey in Asia:				
Bagdad	Nov. 6–Feb. 5	14	7	
Beirut	Dec. 17–Jan. 9	5	5	
Jiddah	Dec. 12–Apr. 4	171	151	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1–Mar. 31		95	
Bona	Jan. 1–Mar. 31	57	34	
Arabia:				
Aden	Nov. 25–Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1–Dec. 31		2	
Australia:				
New South Wales—				
Newcastle	Nov. 1–30	1		
Austria:				
Bohemia	Jan. 31–Feb. 13	8		
Galicia	Dec. 20–Apr. 10	10		
Silesia	Jan. 3–Apr. 10	5		
Trieste	Mar. 21–27	1		
Brazil:				
Bahia	Nov. 15–Mar. 27	327	29	
Para	Feb. 14–Mar. 27	3	2	
Pernambuco	Nov. 1–Mar. 15		118	
Rio de Janeiro	Nov. 16–Mar. 28	1,373	672	
Santos	Nov. 1–Dec. 20		10	
São Paulo	Nov. 1–Mar. 14		59	
British Honduras:				
Stann Creek	Feb. 5–Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28–Mar. 13	5		
Canada:				
British Columbia—				
Vancouver	Dec. 1–Mar. 31	7		
Victoria	Dec. 12–Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20–Jan. 20	6		
Ontario, Province, general	Dec. 1–31	118		
Hamilton	Jan. 17–23	1		
Toronto	Nov. 8–Mar. 6	21		
Nova Scotia—				
Halifax	Dec. 13–Apr. 24	73		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1–Mar. 27	29		Revised.
Quebec—				
Montreal	Dec. 26–Jan. 2	1		
Ceylon:				
Colombo	Nov. 1–Mar. 20	192	42	Reports Dec. 19–Jan. 26 received out of date.
Chile:				
Concepcion	Jan. 15–31	1		
Talcaguana	Nov. 20–Jan. 28			Present in vicinity.
Valparaiso	Dec. 6–19	2		
China:				
Amoy	Oct. 11–Nov. 8		2	Mar. 20, still present.
Canton	Mar. 6–20	45		
Hongkong	Jan. 3–Mar. 6	7	3	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Shanghai	Nov. 11–Mar. 21	6	5	3 cases Nov. 11–Dec. 28 from U. S. transport Seward.
Tientsin	Jan. 17–Feb. 27	10	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26–Apr. 3	5		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12–Feb. 25	737	164	
Alexandria	Nov. 26–Feb. 28	42	26	
Cairo	Nov. 19–Mar. 25	450	196	
Suez	Feb. 19–Mar. 6	27	2	
France.				
Marseille	Dec. 1–Jan. 31		2	
Nantes	Mar. 15–21	1		
Nice	Jan. 1–Feb. 28	2		
Paris	Nov. 22–Apr. 8	57	3	
Toulon	Jan. 1–31	1		
Germany, general	Nov. 19–Apr. 17	71		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Brunswick	Feb. 16–20	1		
Hamburg	Mar. 13	2		Among Russian emigrants.
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22–Mar. 6		5	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–Apr. 10	30	7	
Cardiff	Apr. 3–10	1		
Dunbar	Mar. 21–27	1		From a vessel.
London	Feb. 1–6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25–Apr. 2		222	
Calcutta	Nov. 1–Mar. 27		2,618	
Madras	Nov. 28–Apr. 2		20	
Rangoon	Nov. 22–Mar. 27		59	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–Mar. 21	35	21	
Italy, general	Nov. 30–Apr. 4	256		
Catania	Feb. 28–Mar. 27	8		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–Mar. 10	4		
Genoa	Dec. 1–Feb. 28	8		
Naples	Dec. 7–Apr. 11	360	59	Jan. 18, 1 case on s. s. Europa.
Palermo	Jan. 24–Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15–21	2		
Japan:				
Formosa	Nov. 29–Mar. 13	19		
Kobe	Feb. 14–Mar. 6	5	2	3 cases in March from s. s. Ghazee, from Singapore.
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–Mar. 20	66	5	
Malta	Nov. 22–Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17–Mar. 13	2	1	
Mexico:				
Acapulco	Jan. 11–Feb. 14	15		
Acayucan	Mar. 17			Present.
Guadalajara	Jan. 7–Apr. 15		14	
Mexico City	Nov. 8–Mar. 6		149	
Monterey	Jan. 4–Apr. 25		41	
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Salina Cruz	Jan. 1–15	5		
Tehuantepec	Jan. 28–Feb. 3			Do.
Veracruz	Dec. 13–Apr. 5	8	4	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Netherlands, The:				
Rotterdam	Jan. 10-Mar. 27	1	1	
Newfoundland	Feb. 9-Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10-Apr. 3	11		Case Jan. 10 from s. s. Portia.
Norway:				
Bergen	Jan. 24-30		2	
Christiania	Nov. 22-28	1	1	
Paraguay:				
Asuncion	Dec. 20-26			Present.
Persia:				
Arabistan	Jan. 1-28			Do.
Dizfoul	Jan. 1-28			Do.
Hamadan	Oct. 2-Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1-31			Do.
Mechedisser	Jan. 1-28			Do.
Mohammerah	Jan. 1-28			Do.
Sultanabad	Oct. 1-31			Do.
Tabriz	Oct. 2-8			Do.
Teheran	Sept. 18-Oct. 28		17	
Trebizond	Jan. 16			Do.
Peru:				
Lima	Nov. 22-Dec. 31	11		Mar. 27, 1 case in the lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-Mar. 13	47	16	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-Apr. 10	47		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1-Feb. 28	2		
Moscow	Nov. 20-Mar. 27	342	125	
Odessa	Oct. 4-Apr. 3	76	12	
Reval	Jan. 1-31	1		
Riga	Nov. 29-Apr. 10	19		
St. Petersburg	Nov. 15-Mar. 27	150	43	
Warsaw	Nov. 1-Feb. 6		63	
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala.
Servia:				
Belgrade	Dec. 6-12	2		
Siam:				
Bangkok	Nov. 1-30			Present.
Siberia:				
Vladivostok	Dec. 14-Feb. 14	2		
Southeast Africa:				
Lourenço Marquez	Jan. 1-31	1	1	
Spain:				
Almeria	Jan. 1-Mar. 31		4	Apr. 1-Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6-Apr. 19		56	
Cartagena	July 1-31		15	
Huelva	Mar. 1-31		2	
Madrid	Nov. 1-Mar. 31		88	
Valencia	Nov. 29-Apr. 9	86	9	
Vigo	Nov. 30-Mar. 27		12	
Straits Settlements:				
Penang	Mar. 1-27	2	2	Case Mar. 1 from s. s. Pentakota, case Mar. 27 from s. s. Hong Sin.
Singapore	Dec. 28-Mar. 6		9	
Switzerland:				
Zurich	Feb. 21-27	3		
Tripoli:				
Tripoli	Feb. 13-Apr. 10	101	15	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bagdad	Feb. 13-Mar. 13			Present.
Bassorah	Jan. 3-Apr. 3			Do.
Smyrna	Oct. 7-Mar. 25		73	
Turkey in Europe:				
Constantinople	Dec. 7-Apr. 4		64	
Trebizond	Feb. 7-20			Do.
Uruguay:				
Montevideo	Dec. 1-Feb. 28		13	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Apr. 10	181,918	57									1	2	2
Acapulco	Apr. 17	5,000	8	1									3	
Aguascalientes	Apr. 18	40,000	52	3							1		1	5
Aix la Chapelle	Mar. 27	159,655	64	6								1	3	1
Do	Apr. 3	159,655	54	6							1			
Amsterdam	Apr. 17	566,218	186	25								2	3	3
Antwerp	Apr. 3	323,921	95	7							1			
Asuncion	Feb. 21	75,000	20	2										
Do	Feb. 27	75,000	24	1						2				
Athens	Apr. 3	241,058	83	12									5	
Baracoa	Apr. 10	27,000	4											
Barcelona	Apr. 12	600,000	312	18				3		3		6	4	3
Barmen	Mar. 27	161,300		5									1	
Berlin	Mar. 30	2,113,421	583	82						1	6	17	8	3
Do	Feb. 6	2,113,421	653	91						1	11	11	3	12
Do	Feb. 13	2,113,421	583	80						2	13	11	7	8
Birmingham	Apr. 10	558,336	203								1		29	4
Bluefields	Apr. 3	2,500	2											
Do	Apr. 10	2,500	1											
Bombay	Mar. 30	977,822	1,152	53	450	1		31		4			6	
Bordeaux	Apr. 3	253,000	129	17						1		1	3	2
Bremen	Apr. 10	234,566	70	10							1		1	1
Breslau	Apr. 3	335,186	235	37							2	1	1	1
Bristol	do	377,642	101	4				1					4	3
Do	Apr. 10	377,642	148	8									8	1
Brussels	Apr. 3	704,975	188	14							2	1		
Do	Apr. 10	704,975	183	21							3	3	2	
Cairo	Mar. 25	701,806	439	28				11	10	1		3	8	
Calcutta	Mar. 20	847,796	881	22	77	101		305					6	
Cardiff	Apr. 3	195,303	58	5									1	1
Do	Apr. 10	195,303	66	13										1
Celba	Apr. 17	6,500	3											
Chemnitz	Mar. 27	272,488	97	13										
Do	Apr. 3	272,488	102	12						1	1	1		1
Chihuahua	Apr. 18	37,000	20	2										
Cienfuegos	Apr. 3	37,000	23											
Do	Apr. 10	37,000	21											
Do	Apr. 17	37,000	20											
Coburg	Apr. 3	23,491	10	2										
Cognac [a]	Feb. 20	19,483	10											
Do	Apr. 10	19,483	4	1										
Cologne	Apr. 3	469,299	171	17							2	9		4
Colon	Apr. 11	16,000	13	1										
Constantinople	Apr. 4	1,000,000	323	44				1		12		2	1	
Copenhagen	Mar. 27	447,000	164	17							4	1	4	3
Dalny	Mar. 20	35,947	13	1						1				
Damascus	Mar. 27	250,000	47											
Do	Apr. 3	250,000	50											
Denia	Apr. 10	12,431	2											
Dublin	Apr. 3	394,525	204	43								4	9	6
Dundee	Apr. 10	169,409	65									2		4
Durban	Mar. 20	60,972	9	1										
Edinburgh	Apr. 10	355,366	105	13								1		3
Flushing	do	21,208	5											
Fronteras	do	9,000	6											
Geneva	Mar. 27	118,500	48											
Do	Apr. 3	118,500	42											
Ghent	do	164,579	38	3										
Glasgow	Apr. 16	872,021	327							4	3	4		42
Gothenburg	Apr. 10	162,400	32	6										
Greenock	do	72,300	24									2		3
Guadalajara	Apr. 15	125,000	98					4		2	5			
Halifax	Apr. 17	40,787	15	1										
Hamburg	Apr. 10	872,252	294	32							5	3	1	4
Hamilton, Bermuda	Apr. 12	20,206	6											
Do	Apr. 19	20,206	5											
Havre	Apr. 10	132,430	74	19										
Kobe	Mar. 20	380,717	137									1		
Lausanne	Mar. 27	60,000	22											
Leeds	Apr. 10	484,012	132	8								3	1	2
Leipzig	Apr. 3	537,686	167	26							1	1	1	1

[a] Reported out of date.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Leith	Apr. 10	85,721	22	3								1		
Liverpool	do	760,357	296	20							4		27	8
Lisbon	Mar. 20	406,869	194	24						2		3		
London	Apr. 10	4,833,938	1,470	131						2	11	16	95	33
Lübeck	do	97,000	32							1	1			
Lyon	Mar. 27	472,114	227	38								5		2
Do	Apr. 3	472,114	219	41								2	1	1
Madras	Mar. 26	509,346	407		1								3	
Managua	Mar. 27	22,287	17	1										
Manaos	Mar. 20	54,000	35	4			3							
Do	Mar. 27	54,000	32	1			1							
Do	Apr. 3	54,000	29	2			1							
Manchester	Apr. 10	631,533	223	26						2	4	3	8	2
Mannheim	Mar. 27	182,482	48	7									1	
Mazatlan	Apr. 3	22,000	21											
Moncton, N. B.	Apr. 24	13,000	4	2										
Monterey	Apr. 18	100,000	85	5				7		2			1	
Montreal	Apr. 17	378,856	148	18						2	7	2	1	
Munich	Apr. 3	566,000	238	36									5	2
Nagasaki	Mar. 28	175,936	47											
Nantes	Apr. 11	161,908	67	9										
Newcastle-on-Tyne	Apr. 10	281,584	98							1	1	1	7	2
Newchwang	Mar. 20	60,000	10											
Nottingham	Apr. 3	260,000	94									1	6	
Nuevo Laredo	Apr. 17	8,000	5	3										
Odessa	Apr. 3	520,000	184	28					1	1	1	1		4
Ottawa	Apr. 17	57,640	30											
Para	Apr. 10	185,000	106	12			3							
Penang	Mar. 20	102,520	64	8						1				
Plymouth	Apr. 10	124,180	39										2	
Port Elizabeth	Mar. 27	32,959	7	1										
Queenstown	Apr. 10	7,909	3											
Rangoon	Mar. 20	252,155	179	2	16	3		9						
Rio de Janeiro	Mar. 21	811,443	269	49				9		1			2	
Do	Mar. 28	811,443	229	60				7			1			
Rome	Jan. 30	559,715	320	14						2	1	3	9	
Rotterdam	Apr. 10	412,905	131							1		1		
St. John, N. B.	Apr. 24	40,711	20	6								1		
St. Petersburg	Mar. 27	1,678,000	823	148		3		6	3	8	16	14	29	3
St. Stephen, N. B.	Apr. 24	2,840	1											
San Feliu de Guixols	Apr. 10	11,094	5	1										
Santa Cruz de Teneriffe	Apr. 3	46,000	11	1									1	
Singapore	Mar. 13	260,000	156	19						1				
Southampton	Apr. 10	124,667	44	7						1				2
South Shields	do	117,627	39	4								1	3	2
Stettin	do	230,000	64	4						2		1		
Stockholm	Mar. 27	337,460	115	21							3			1
Tegucigalpa	Apr. 6	24,000	7											
Tientsin	Mar. 20	1,000,000	5	2										
Trieste	Mar. 27	215,250	118							1				
Turin	Apr. 2	381,439	163	16								3	1	
Valencia	Apr. 9	250,000	103	14						1				
Victoria	Apr. 17	30,000	7	2										
Vienna	Apr. 3	2,042,426	825	149							10	4	19	6
Do	Apr. 10	2,042,426	816	142						1	7	8	14	6
Vevay	Mar. 27	14,500	5											
Vigo	Apr. 10	40,000	14	3						1			1	
Warsaw	Feb. 6	751,595	315	62				2		3	6	1		2
West Hartlepool	Apr. 10	66,750	18											
Winnipeg	Apr. 17	118,000	40	4										
Yokohama	Apr. 5	392,870								1		1		
Zanzibar	Mar. 21	75,000	12	1										
Zurich	Apr. 10	180,000	65	11								1		1

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

Regulations for the Sale of Viruses, Serums, Toxins, and Analogous Products.

Treasury Department.
Washington, D. C., May 11, 1909.

The following regulations have been prepared by the undersigned board of officers in accordance with the provisions of section 4 of an act of Congress approved July 1, 1902, entitled "An act to regulate the sale of viruses, serums, toxins, and analogous products in the District of Columbia, to regulate interstate traffic in said articles, and for other purposes;" they are hereby promulgated and will supersede the regulations issued February 21, 1903, and amendments thereto.

G. H. Torney,
Surgeon-General, U. S. Army.
P. M. Rixey,
Surgeon-General, U. S. Navy.
Walter Wyman,
Surgeon-General, Public Health and Marine-Hospital Service.

Approved:
Franklin MacVeagh,
Secretary of the Treasury.

ISSUE OF LICENSES.

1. Licenses shall be issued, suspended, and revoked by the Secretary of the Treasury, upon the recommendation of the Surgeon-General of the Public Health and Marine-Hospital Service.

2. Licenses shall be issued only after inspection of establishments and examination of the products for which license is desired.

3. When an establishment shall have been inspected and the products propagated therein examined in accordance with these regulations, the report of inspection and laboratory examination shall be passed upon by the sanitary board of the Public Health and Marine-Hospital Service. The said board shall present its findings to the Surgeon-General of the Public Health and Marine-Hospital Service who shall review and forward same, together with his recommendations, to the Secretary of the Treasury for action.

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4. The following form of license is prescribed:

LICENSE.

....., 190

This is to certify that....., of....., State of ....., have complied with the terms of "An act to regulate the sale of viruses, serums, toxins, and analogous products in the District of Columbia; to regulate interstate traffic in said articles, and for other purposes;" that the establishment of the said ..... has been duly inspected in accordance with regulations made under the terms of the said act, and that the said..... are hereby authorized to engage in the manufacture, barter, and sale of.....for one year from this date, or until reinspection.

This license is issued in accordance with the regulations prepared under the above-mentioned act, and is subject to suspension or revocation when due cause therefor is shown.

[L. S.]

.....
Secretary of the Treasury.

5. Licenses shall be good for one year from the date of issue (or until reinspection), and will not be reissued without such reinspection and laboratory examination; the report of inspection and laboratory examination to be passed upon by the sanitary board and the Surgeon-General of the Public Health and Marine-Hospital Service, in accordance with the provisions of paragraph 3. Inspections shall be made at least once a year.

INSPECTION OF ESTABLISHMENTS.

6. The inspection shall be made by an inspector or a board of inspectors detailed by the Secretary of the Treasury upon the recommendation of the Surgeon-General of the Public Health and Marine-Hospital Service.

7. The inspectors shall be commissioned medical officers of the Public Health and Marine-Hospital Service or chiefs of division of the hygienic laboratory of the same service.

8. The visit of the inspectors shall be unannounced.

9. It shall be the duty of the inspectors to call first upon the head of the establishment or member of the firm, stating the object of their visit.

10. The inspectors shall examine all portions of the premises, appliances, stables, barns, warehouses, records, and the methods employed in actual operation.

11. The inspectors are authorized, when they consider it necessary, to interrogate the proprietor, members of the firm, and employees of the establishment under oath.

12. The inspectors shall investigate fully the methods of preparation, storing, dispensing, and other details in the manufacture and sale of serums, viruses, toxins, and analogous products.

13. The inspectors shall carefully examine into faulty construction or administration of establishments which would tend to impair the potency or purity of their products, and shall, if of sufficient importance, make special report regarding the same.

14. It shall be the duty of the inspectors to purchase in open market or, if they deem it advisable, themselves to obtain in the establishment samples of the products then manufactured, which samples shall be examined by the inspectors for purity and potency or forwarded to the director of the hygienic laboratory for such examination.

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15. It shall be the duty of the director of the hygienic laboratory of the Public Health and Marine-Hospital Service to test samples sent him by inspectors for purity and potency, and the result of this examination shall be given to the inspectors, who shall give this report due weight in making their recommendations.

EXAMINATIONS OF VIRUSES, SERUMS, TOXINS, ETC.

16. The terms "virus, serum, toxin, and analogous products" shall include the following products and such others as may be designated by the Secretary of the Treasury from time to time: Antidiphtheric serum or diphtheria antitoxin, antitetanic serum or tetanus antitoxin, antistreptococcic serum, antistaphylococcic serum, antigonococcic serum, antipneumococcic serum or antipneumonic serum, antidysenteric serum, antituberculous serum, antipest serum, anticholera serum, streptolytic and pneumolytic serum, antimeningococcic serum, antiplague serum, erysipelas and prodigiosus toxins, tuberculins, emulsion tubercle bacilli, suspension of lactic acid bacilli, antityphoid serum, bacterial vaccines, normal horse serum, and vaccine virus.

17. Viruses, serums, toxins, and analogous products propagated in licensed establishments and offered for sale in the District of Columbia, or in interstate traffic, shall be obtained from time to time in the open market and examined under the direction of the Surgeon-General of the Public Health and Marine-Hospital Service as to purity and potency and as to whether said products are properly labeled, as required by section one of the law.

18. Viruses, serums, toxins, and analogous products propagated in licensed establishments and imported from abroad will be detained by customs officers at ports of entry, pending examination by officers of the Public Health and Marine-Hospital Service as to purity and potency and as to whether said products are properly labeled as required by section 1 of the law.

19. Samples of the same laboratory numbers shall accompany each foreign importation of viruses, serums, toxins, and analogous products, and said samples will be forwarded by collectors of customs to the Surgeon-General of the Public Health and Marine-Hospital Service at Washington for examination.

20. Viruses, serums, toxins, and analogous products imported from foreign countries will be refused entry by collectors of customs unless propagated in an establishment holding an unsuspended and unrevoked license, or intended for examination precedent to obtaining a license.

21. The immunity unit for measuring the strength of diphtheria antitoxin shall be that established and distributed by the Public Health and Marine-Hospital Service.

22. The immunity unit for measuring the strength of tetanus antitoxin shall be ten times the least quantity of antitetanic serum necessary to save the life of a 350-gram guinea pig for ninety-six hours against the official test dose of a standard toxin furnished by the Hygienic Laboratory of the Public Health and Marine-Hospital Service.

23. Manufacturers placing on the market serums concentrated by Gibson's method or by any other method, or mixed serums made by

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mixing concentrated serum with ordinary antitoxic serum, shall be required to so label them.

24. Preliminary to taking vaccine material from vaccinated animals, said animals should be killed or otherwise rendered insensible to pain.

25. As soon as practicable after taking the vaccine virus, a necropsy shall be made upon each animal, and permanent records kept of each necropsy, in which particular reference shall be made of pathologic changes.

26. All vaccine material from any animal having a communicable disease, other than vaccinia, or suspected of having a communicable disease, shall be destroyed.

27. The practice of renting animals for the purpose of propagating vaccine virus and returning the animals to the market shall be discontinued.

28. Animals used for propagating vaccine virus must be under daily veterinary inspection for not less than seven days immediately before they are vaccinated. Only healthy animals free from communicable disease shall be used for this purpose.

29. The propagation and sale in interstate traffic of old-style dry "lymph" vaccine points shall be discontinued after January 1, 1910.

30. Each and every lot of vaccine virus shall be examined to determine its freedom from pathogenic micro-organisms, and a special examination must be made of each and every lot to determine the absence of tetanus; detailed and permanent records of these examinations shall be kept by the establishment propagating said virus.

31. Containers, grinding and mixing machines, filling apparatus, instruments, etc., that come in contact with vaccine material during the process of manufacture and preparation for the market, shall be sterilized before use by steam under pressure at a temperature of at least 120° C. for not less than thirty minutes, or subjected to dry heat at a temperature of at least 160° C. for not less than one hour. Materials that will not stand this degree of dry heat shall be sterilized by a process known to be capable of destroying tetanus spores.

32. Refuse, wastes, excelsior, packing materials such as hay, straw, cotton, etc., crude materials and goods of miscellaneous origin and unknown history shall not be stored or permitted in or about vaccination stables or where the animals used for propagating vaccine virus are kept.

SUSPENSION AND REVOCATION.

33. When faulty methods of preparation, faulty construction, or administration of establishments are observed during inspection, the inspector shall bring the same to the attention of the manufacturer, and shall forward a report of the conditions found, together with his recommendations, to the Surgeon-General.

34. When impurities or lack of potency of products, or improper labeling of same shall be demonstrated by laboratory examination, these facts shall be reported to the Surgeon-General.

35. Should the faulty conditions discovered during inspection or laboratory examination be found upon review by the sanitary board

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and the Surgeon-General to be of sufficient importance, the Surgeon-General shall recommend to the Secretary of the Treasury that the license of the offending establishment be suspended. If the said faulty conditions are not corrected within sixty days after suspension, he shall recommend that the said license be revoked.

36. The facts of suspension and revocation of licenses, with causes therefor, may be published in a circular to be issued and signed by the Secretary of the Treasury.

The above are revised regulations embodying amendments and additions that have been made from time to time to the first regulations issued February 21, 1903. In the revision new provisions have been made relating to administrative details, including particularly paragraphs relating to further safeguards in the propagation and sale of vaccine virus and a closer supervision over the importation of the same.

Recent investigations have demonstrated that foot-and-mouth disease may be transmitted to animals through vaccine virus, but whether the disease may be transmitted to man through this agency is doubtful, no case of such transmission being known. The investigations referred to were made by this service in cooperation with the Bureau of Animal Industry following an outbreak of this disease last November, and the results are published in Bulletin No. 147 of that bureau. The vaccine virus of two establishments was found to be contaminated and necessary measures were immediately taken. All possibly infected virus of these two firms was recalled from the market, destroyed, or held under government seal. In addition all necessary measures were taken to eradicate the infection from the establishments themselves. Until these requirements had been fulfilled, as was ascertained by three special inspections of each establishment and the examination of their stock vaccines, the license of one firm, which had expired, was not renewed, and the license of the other was suspended, both in accordance with the act of July 1, 1902. The licenses were renewed April 15.

All other licensed establishments were specially inspected and their vaccine virus was examined and found to be free from infection.

The subject was brought before the advisory board of the Hygienic Laboratory for its consideration and advice. The infection, in all probability, came from abroad, thus indicating the necessity of additional regulations relating to foreign importations.

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UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended May 1, 1909.

Sick inspected	6
Plague	0
Dead inspected	113
Plague	0
Necropsy held	1
Premises inspected	2,442
Houses disinfected	75
Nuisances abated	339
Rats found dead	83
Rats trapped	2,325
Total rats taken	2,408
Rats identified:	
Mus norvegicus	1,699
Mus rattus	77
Mus musculus	568
Mus alexandrinus	26
Total	2,370
Rats identified as to sex:	
Male	848
Female	901
Total	1,749
Ground squirrels trapped	5
Gophers trapped	11
Rats examined bacteriologically	1,595
Plague rats	0
Ground squirrels examined bacteriologically	5
Plague ground squirrels	0
Gophers examined bacteriologically	11
Plague gophers	0
Poisons placed	15,497

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended April 24, 1909.

Dead inspected	29
Plague	0
Necropsy held	1
Premises inspected	1,270
Nuisances abated	184

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Premises cleaned	256
Garbage cans installed	174
Rats found dead	38
Rats trapped	600
Mice trapped	56
Rats identified	694
Mus norvegicus	625
Mus rattus	7
Mus musculus	56
Mus alexandrinus	6
Gophers trapped	1
Gophers examined bacteriologically	1
Plague gophers	0
Rats examined bacteriologically	629
Plague rats	0
Mice examined bacteriologically	56
Plague mice	0
Poisons placed	34,750

POINT RICHMOND, CAL.

Week ended April 24.

Premises inspected	490
Nuisances abated	35
Rats found dead	14
Rats trapped	19
Mice trapped	1
Rats examined bacteriologically	19
Plague rats	0
Mice examined bacteriologically	1
Plague mice	0
Poisons placed	7,000

ALAMEDA COUNTY, CAL.

Week ended April 24.

Dead inspected	47
Plague	0
Necropsy held	1

CONTRA COSTA COUNTY, CAL.

Week ended April 24.

Sick inspected	1
Plague	0
Ground squirrels shot	33
Ground squirrels examined bacteriologically	33
Plague squirrels	0
Ranches inspected	29
Ranches found free of ground squirrels	15

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, April 26:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended April 24, 1909.

Rats received	971
Rats necropsied	971
Plague rats found	0
Plague-infected rats to date	21

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STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA.—Month of March, 1909. Estimated population, 2,037,929. Total number of deaths reported to the state board of health, 2,797, corresponding to an annual death rate of 16.2 per 1,000 of population, including diphtheria 23, enteric fever 30, measles 26, scarlet fever 6, whooping cough 18, smallpox 1, and 475 from tuberculosis.

Sacramento.—Month of March, 1909. Estimated population, 55,000. Total number of deaths, 61, including enteric fever 3, and 7 from tuberculosis. Cases: Diphtheria 2, measles 2, scarlet fever 1, enteric fever 5, whooping cough 2, smallpox 2.

FLORIDA.—Report from the state board of health of communicable diseases for the week ended May 1, 1909, shows as follows: Diphtheria—*Tampa* 4, *Jacksonville*, *Ocala*, *St. Augustine*, *Waldo*, and *Tallahassee*, each 1 case. Malaria—*Tampa* 24, *Jacksonville* 8, *Mount Dora* 4, *Arcadia*, *Bartow*, *Brooksville*, *Clearwater*, *Crescent City*, *Gainesville*, *Quincy*, and *Ybor City*, each 1 case. Tuberculosis—*Bushnell* 1, *Jacksonville* 2, and *Tampa* 3. Enteric fever—*Center Hill* 1.

IOWA—*Cedar Rapids.*—Month of April, 1909. Estimated population, 35,000. Total number of deaths, 27, including 3 from tuberculosis. Cases: Smallpox 2, measles 2, scarlet fever 10, and diphtheria 1.

MASSACHUSETTS—*Newton.*—Month of April, 1909. Estimated population, 38,919. Total number of deaths, 39, including diphtheria 1, measles 1, and 2 from pulmonary tuberculosis. Cases: Diphtheria 12, scarlet fever 13, enteric fever 3, measles 112, and pulmonary tuberculosis 3.

MINNESOTA—*St. Paul.*—Month of October, 1908. Estimated population, 230,000. Total number of deaths reported to the department of health, 151, including diphtheria 1, enteric fever 4, scarlet fever 1, whooping cough 3, and 16 from tuberculosis. Cases: Diphtheria 86, scarlet fever 31, smallpox 3, and measles 4.

MONTANA.—Month of March, 1909. Estimated population, 280,000. Reports to the state board of health show as follows: Total number of deaths, 391, including diphtheria 10, enteric fever 6, scarlet fever 19, smallpox 2, measles 1, and 40 from tuberculosis. Cases: Diphtheria 92, enteric fever 12, measles 220, scarlet fever 252, and smallpox 55.

NEW JERSEY.—Reports to the state board of health for the month of April, 1909, show a total of 3,333 deaths, including diphtheria 59, enteric fever 27, measles 32, scarlet fever 45, whooping cough 30, and 415 from tuberculosis.

Montclair.—Annual report for the year 1908. Total number of deaths, 234, corresponding to an annual death rate of 10.55 per 1,000

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of population, which is estimated at 17,815. The deaths from contagious diseases were: Enteric fever 1, measles 1, scarlet fever 1, and 23 from tuberculosis. Cases: Enteric fever 21, diphtheria 18, scarlet fever 57, and tuberculosis 26.

PENNSYLVANIA—*Altoona.*—Month of April, 1909. Estimated population, 60,000. Total number of deaths, 59, including 8 from tuberculosis. Cases: Diphtheria 3, scarlet fever 12, and enteric fever 1.

South Bethlehem.—Month of April, 1909. Estimated population, 15,000. Total number of deaths, 29, including whooping cough 1, and 2 from tuberculosis. Cases: Enteric fever 5, scarlet fever 6, whooping cough 3, measles 35, and tuberculosis 5.

SOUTH CAROLINA—*Charleston.*—Annual report for the year 1908. Estimated population 57,593 (white 27,925, colored 29,668). Total number of deaths 1,416 (white 403, colored 1,013), including enteric fever 27, whooping cough 7, diphtheria 1, pellagra 5, and 202 from tuberculosis. Cases: Diphtheria 56, scarlet fever 10, and enteric fever 190. Annual death rate per 1,000: White 14.04, colored 34.01; total white and colored 24.05.

UTAH.—Month of March, 1909. Reports to the state board of health from 27 counties, having an estimated population of 346,873, show as follows: Total number of deaths, 432, including diphtheria 10, whooping cough 6, scarlet fever 5, and 12 from tuberculosis. Cases: Diphtheria 68, enteric fever 16, measles 38, scarlet fever 167, smallpox 136, whooping cough 317, and tuberculosis 17 (incomplete).

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to May 14, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Autauga County	Feb. 27–Apr. 5	11		
Prattville	Feb. 27–Apr. 5	3		
Dallas County	Feb. 20–Apr. 12	12		
Selma	Feb. 28–Apr. 12	26		
Jefferson County— Birmingham	Mar. 1–31	10		
Mobile County— Mobile	Jan. 12–Apr. 17	8		
Montgomery County— Montgomery	Mar. 13–Apr. 2		2	
Tuscaloosa County				86 cases year 1908.
Total for State		70	2	
Arkansas:				
Allbrook	Jan. 1–Mar. 25	40		
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		148		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
California, general	Nov. 1–Mar. 31		5	
Berkeley	Apr. 18–24	1		
Los Angeles	Dec. 6–Apr. 3	19	1	
Oakland	Nov. 1–Apr. 26	18		
Sacramento	Nov. 1–Apr. 24	55		
San Francisco	Dec. 13–Apr. 10	31		
Stockton	Nov. 1–30	12		
Total for State		136	6	
Colorado, general	July 1–Feb. 23	109		
District of Columbia:				
Washington	Dec. 28–Apr. 17	11		
Total for District		11		
Georgia:				
Bibb County—				
Macon	Mar. 14–May 2	25		
Cobb County	Jan. 16–Feb. 7	8		
Paulding County	Jan. 16–Feb. 7	15		
Total for State		48		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Mar. 31	233		
Delta	Feb. 1–28	40		
Fayville	Feb. 1–28			Present.
Thebes	Jan. 1–Feb. 28	6		
Bureau County—				
Ladd	Nov. 1–30	4		
Carroll County—				
Savanna	Feb. 1–Mar. 31	3		
Cass County	Feb. 1–Mar. 31	4		
Champaign County	Mar. 1–31	1		
Christian County—				
Edinburg	Feb. 1–Mar. 28	27		
Taylorville	Aug. 1–Mar. 31	55		
Clinton County—				
Boulder	Feb. 1–28	1		
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–Apr. 3	10		
Fayette County	Mar. 1–31	3		
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		
Fulton County—				
Canton	Jan. 1–Feb. 28	55		
Cuba	Jan. 1–31	1		
Farmington	Mar. 1–31	25		
Lewiston	Jan. 1–Mar. 31	26		
Norris	Feb. 1–Mar. 31	19		
Jackson County	Feb. 1–21	2		
Murphysboro	Jan. 1–Mar. 31	70	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–Mar. 31	2		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–May 1	9		
Lake County	Mar. 1–31	1		
Waukegan	Feb. 2–26	3		
Livingston County	Feb. 1–28	3		
McLean County—				
Bloomington	Jan. 1–Mar. 31	14		
Macon County	Feb. 1–Mar. 31	7		
Decatur	Jan. 1–Mar. 31	20		
Macoupin County		21		
Benld	Feb. 15–18	2		
Palmyra	Dec. 25–Jan. 20	4		
Scottsville	Dec. 25–Jan. 20	12		
Madison County—				
Alton	Mar. 1–31	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Marion County—				
Centralia	July 1-Jan. 20	53		
Kinmundy	Mar. 1-31	2		And vicinity.
Odin	Jan. 1-31	1		
Sandoval	Jan. 1-Mar. 31	3		
Mason County	Jan. 1-Mar. 31	12		Present in Bath, Havana, and Quiver townships.
Massac County—				
Metropolis	Jan. 1-Mar. 31	6		
Mercer County	Jan. 1-31	1		In North Henderson township.
Montgomery County	Jan. 1-31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5-11	1		
Peoria County—				
Elmwood	Mar. 1-31	2		
Peoria	Dec. 20-Apr. 3	43		Present in Glasford and in Timber and Trivoli townships.
Pope County—				
Eddyville	Feb. 1-28			Present in vicinity.
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-Mar. 31	18		
Mound City	Jan. 1-31	7		Feb. 28, still present.
Randolph County—				
Percy	Jan. 1-Mar. 31	40		
Preston	Mar. 1-31	6		
St. Clair County	Feb. 1-Mar. 31	16		
Belleville	Dec. 4-Feb. 28	15		
Mascoutah	Jan. 1-31	1		
Millstadt	Jan. 1-Feb. 28	2		
Saline County—				
Eldorado	Jan. 1-Feb. 28	4		
Harrisburg	Mar. 1-31	8		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Springfield	Mar. 20-Apr. 30	17		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Stevenson County—				
Freeport	Feb. 1-28	9		
Tazewell County	Jan. 1-Mar. 31			Present in Elm Grove, Green Valley, and Groveland townships.
Pekin	Jan. 1-Mar. 31	53		
Washington	Mar. 1-31	1		
Vermilion County—				
Danville	Jan. 11-May 2	59		
Rankin	Feb. 1-28	1		
Williamson County—				
Bush	Mar. 1-31	6		
Carterville	Jan. 1-Mar. 31	17		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-Mar. 31	19		
Woodford County—				
Roanoke	Mar. 1-31	3		
Total for State		1,218	1	
Indiana:				
Allen County	Dec. 1-31	1		
Fort Wayne	Jan. 10-Apr. 24	7		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Dec. 31	4		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-31	26		
Clay County	Oct. 1-31	8		
Dearborn County	Oct. 1-31	1		
Delaware County	Dec. 1-31	52		
Muncie	Mar. 27	1		
Elkhart County	Oct. 1-Nov. 30	7		
Elkhart	Jan. 17-Mar. 6	8		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-31	1		
Grant County	Dec. 1-31	2		
Union	Feb. 6	5		
Hamilton County	Dec. 1-31	1		
Harrison County	Dec. 1-31	1		
Hendricks County	Nov. 1-Dec. 31	5		
Madison County	Oct. 1-31	1		
Anderson	Dec. 1-31	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-May 2	8		
Miami County	Dec. 1-31	1		
Rush County	Dec. 1-31	24		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-31	1		
St. Joseph County	Dec. 1-31	12		
South Bend	Mar. 23-May 1	6		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Dec. 31	77		
Lafayette	Dec. 15-May 3	66	1	
Tipton County	Nov. 1-Dec. 31	2		
Vanderburg County—				
Evansville	Jan. 10-Feb. 20	10		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-31	7		
Wayne County	Nov. 1-30	8		
Total for State		373	1	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Cedar Rapids	Mar. 1-May 1	15		
Council Bluffs	July 1-May 3	34	2	
Davenport	Apr. 12-18	1		
Dubuque	Oct. 1-Jan. 31	87	1	
New Hampton	Feb. 26	8		
Sioux City	Apr. 1-30	1		
Total for State		147	5	
Kansas:				
Allen County	Jan. 1-Mar. 31	11		
Atchison County	Mar. 1-31	9		
Atchison	Dec. 20-Mar. 31	6		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Mar. 31	56		
Butler County	Feb. 1-Mar. 31	7		
Chautauqua County	Feb. 1-Mar. 31	19		
Cherokee County	Jan. 1-Mar. 31	30		
Clark County	Mar. 1-31	5		
Crawford County	Jan. 1-Mar. 31	9		
Pittsburg	Nov. 1-Mar. 31	130		
Decatur County	Jan. 1-Mar. 31	12		
Doniphan County	Mar. 1-31	15		
Douglas County	Mar. 1-31	3		
Finney County	Feb. 1-28	2		
Ford County	Jan. 1-Mar. 31	4		
Franklin County	Dec. 1-Mar. 31	4		
Greenwood	Feb. 1-Mar. 31	24		
Harvey County	Nov. 1-Mar. 31	6		
Jackson County	Nov. 1-Mar. 31	106		
Jefferson County	Dec. 1-Mar. 31	23		
Jewell County	Dec. 1-Mar. 31	30		
Labette County—				
Parsons	Jan. 1-Mar. 31	11		
Lane County	Jan. 1-31	4		
Lincoln County	Mar. 1-31	1		
Lyon County	Feb. 1-28	8		
McPherson County	Jan. 1-31	1		
Marion County	Mar. 1-31	1		
Marshall County	Jan. 1-Mar. 31	4		
Mitchell County	Feb. 1-28	2		
Montgomery County	Nov. 1-Mar. 31	20		
Nemaha County	Dec. 1-Feb. 28	3		
Ness County	Mar. 1-31	5		
Osage County	Feb. 1-Mar. 31	39		
Osborne County	Mar. 1-31	4		
Phillips County	Dec. 1-Mar. 31	9		
Pottawatomie County	Nov. 1-Mar. 31	70		
Pratt County	Dec. 1-31	20		
Rawlins County	Mar. 1-31	20		
Reno County	Nov. 1-Jan. 31	4	1	
Republic County	Mar. 1-31	3		
Riley County	Nov. 1-30	2		
Rooks County	Jan. 1-31	3		
Saline County	Nov. 1-Mar. 31	57		
Sedgwick County	Feb. 1-Mar. 31	9		
Wichita	Mar. 7-May 1	15		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Shawnee County	Nov. 1–Mar. 31	120		
Topeka	June 7–Apr. 3	128		
Sheridan County	Dec. 1–Jan. 31	11		
Smith County	Feb. 1–Mar. 31	8		
Stafford County	Dec. 1–31	1		
Sumner County	Nov. 1–Mar. 31	11		
Thomas County	Jan. 1–31	2		
Wallace County	Jan. 1–31	2		
Wabaunsee County	Jan. 1–Mar. 31	8		
Wilson County	Nov. 1–30	5		
Wyandotte County— Kansas City	Jan. 3–May 1	56		
Total for State		1,186	1	
Kentucky:				
Anderson County	Oct. 1–Jan. 20	200	1	Including Lawrenceburg.
Berea	Feb. 1–Apr. 2	20		
Covington	Dec. 29–Apr. 24	34		
Fulton	Feb. 1–Mar. 22	27		
Georgetown	Dec. 2–Mar. 4	31		
Henderson		7		Jan. 1–June 30, 1908.
Lexington	Dec. 28–May 1	45		
Newport	July 1–Apr. 24	69	1	Jan. 1–June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24–Apr. 3	44		
Total for State		477	2	
Louisiana:				
Alexandria	Feb. 1–28	9		
Arcadia Parish	Dec. 20–Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20–May 1	44		Mainly imported.
Shreveport	Jan. 1–20	32	1	
Winnfield	Jan. 1–Mar. 24	33		And vicinity.
Total for State		148	1	
Maine:				
Cyr plantation	Oct. 16–24	11		
Frenchville	Nov. 11–Dec. 5	2		
Grand Isle (Grant Isle)	Oct 16–Dec. 12	26		
St. Agatha	Oct. 24–Dec. 26	9		
St. David	Dec. 13–19	1		
Upper Frenchville	Oct. 25–Nov. 11	2		
Van Buren	Oct. 18–Feb. 6	94		
Total for State		145		
Maryland	Mar. 18 to 21	10		House of Correction, Bridewell.
Baltimore	Jan. 30–Feb. 6	1		
Total for State		11		
Massachusetts:				
Boston	Mar. 14–20	2		
Haverhill	Mar. 14–20	1		
Lawrence	Mar. 7–13	1		
New Bedford	Jan. 30–Mar. 13	3	1	
Total for State		7	1	
Michigan:				
Barry County	Nov. 1–Dec. 31	5		
Cheboygan County	Dec. 1–31	4		
Delta County	Nov. 1–30	1		
Eaton County	Dec. 1–31	1		
Ingham County— Lansing	Nov. 1–Dec. 31	11		
Ionia County	Dec. 1–31	2		
Kalamazoo County	Dec. 1–31	3		
Kent County— Grand Rapids	Jan. 24–Apr. 24	3		
Lapeer County	Dec. 1–31	2		
Macomb County	Nov. 1–30	1		
Manistee County	Nov. 1–30	2		
Menominee County	Dec. 1–31	1		
Muskegon County	Nov. 1–Dec. 31	19		
Saginaw County— Saginaw	Jan. 16–May 1	17		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Mar. 27	7		
Wexford County	Dec. 1-31	2		
Total for State		86		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 30-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Apr. 24	100		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicollet County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Nov. 1-Mar. 31	200		
Renville County	Dec. 1-7	1		
St. Louis County—				
Duluth	Nov. 9-May 6	18		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Waseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-31	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-Feb. 28	8		
Yellow Medicine County	Oct. 20-26	1		
Total for State		478		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-May 1	13		
Kirksville	Nov. 1-Jan. 31	96		
Liberty	Jan. 15-Mar. 11	20		
Rich Hill	Dec. 5-31	4		
St. Joseph	Dec. 1-Apr. 3	2		
St. Louis	Dec. 20-May 1	30		
Springfield	Nov. 1-Feb. 28	3		
Total for State		168		
Montana:				
Beaverhead County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cascade County	Nov. 1-Mar. 31	14		
Chouteau County	Jan. 1-Feb. 28	4		
Dawson County	Dec. 31-Mar. 31	21		
Fergus County	Dec. 31-Mar. 31	35		
Flathead County	Nov. 1-30	1		
Gallatin County	Nov. 1-Mar. 31	26		
Bozeman	Nov. 1-Mar. 31	19	1	
Granite County	Jan. 1-Mar. 31	7		
Jefferson County	Nov. 1-30	4		
Lewis and Clark County	Mar. 1-31	1		
Madison County	Dec. 1-31	2		
Meagher County	Mar. 1-31	1		
Missoula County	Jan. 1-31	12		
Missoula	Jan. 1-Feb. 28	5	1	
Park County	Jan. 1-Mar. 31	17		
Powell County	Jan. 1-Feb. 28	15		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Montana—Continued.				
Ravalli County	Nov. 1–Mar. 31	19		
Sanders County	Jan. 1–Feb. 28	11		
Silverbow County	Nov. 1–Mar. 31	20	1	
Butte	Mar. 16–Apr. 20	38		
Yellowstone County	Nov. 1–30	1		
Billings	Jan. 1–Mar. 31	2		
Total for State		278	3	
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1–Mar. 31	22		
Polk	Mar. 20–Apr. 23	14		And vicinity.
South Omaha	Dec. 20–Apr. 10	15		
Total for State		52		
New Hampshire:				
Hinsdale	Nov. 1–Dec. 15	6		
West Chesterfield	Nov. 1–Dec. 15	1		
West Lebanon	Jan. 15–Feb. 7	2		
Westmoreland	Nov. 1–Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21–May 8	16		
Haddonfield	Mar. 26–27	2		
Hightstown	Mar. 3	1		
Lodi	Apr. 15	1		
New Brunswick	Mar. 7–Apr. 5	7		
Paterson	Mar. 16–Apr. 2	8		
Perth Amboy	Mar. 4–31	26		
Plainfield	Mar. 7–Apr. 10	6		
Trenton	Apr. 25–May 1	2	1	
Woodbridge	Mar. 6–26	1		
Total for State		70	1	
New York, general	Nov. 1–Feb. 28	201	1	Including Amsterdam, Bridgeport, Broome, Cicero, Gardiner, and Middleburg.
Buffalo	Feb. 14–Mar. 20	4		
Little Falls	Apr. 10–May 8	4		
Mohawk Valley			1	Year 1908.
New York	Feb. 21–Apr. 3	6	1	
Niagara Falls	Feb. 7–May 1	2		
Rome	Jan. 1–31	1		
Schenectady	Feb. 7–13	1		
Syracuse	Jan. 9–31	3		
Total for State		222	3	
North Carolina:				
Ashe County	Jan. 1–31	7		
Bertie County	Nov. 1–30	1		
Camden County	Jan. 1–31	30		
Catawba County	Nov. 1–Dec. 31	4		
Currituck County	Nov. 1–Jan. 31	34		
Duplin County	Dec. 1–Jan. 31	60		
Edgecombe County	Dec. 1–31	1		
Johnston County	Nov. 1–Jan. 31	13		
Jones County	Jan. 1–31	3		
Lenoir County	Dec. 1–31	20		
Lincoln County	Dec. 1–31	1		
Madison County	Jan. 1–31	2		
Nash County	Jan. 1–31	1		
New Hanover County—Wilmington	Jan. 22–Mar. 1	4		Imported.
Pasquotank County	Nov. 1–Jan. 31	79		
Pitt County	Jan. 1–31	2		
Sampson County	Jan. 1–31	22		
Scotland County	Jan. 1–31	6		
Wayne County	Jan. 1–31	20		
Total for State		310		
North Dakota	July 1–Feb. 19	168		
Ward County	Jan. 12–Mar. 31	27		
Sherwood	Jan. 12–Mar. 31	46		
Total for State		241		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ohio, general	June 14–Jan. 2	337		
Ashtabula	Apr. 11–May 1	9		
Cincinnati	Dec. 12–May 7	241	1	
Cleveland	Feb. 28–Apr. 30	6		
Columbus	Dec. 26–Apr. 24	16		Revised. 3 cases additional in Sept. and Oct.
Conneaut	Mar. 1–Apr. 29	3		
Dayton	Jan. 24–Feb. 20	5		
Newark		3		Year 1908.
Tiffin	Jan. 3–23	2		
Total for State		622	1	
Oregon:				
Clackamas County	Sept. 1–30	1		
Harney County	Sept. 1–30	1		
Jackson County	Oct. 1–Dec. 31	9		
Lane County	Dec. 1–31	10		
Linn County	Sept. 1–Oct. 31	5		
Marion County	Sept. 1–Dec. 31	4		
Multnomah County	Dec. 1–31	5		
Portland	Nov. 1–Feb. 28	91		
Polk County	Sept. 1–Dec. 31	9		
Tillamook County	Oct. 1–31	1		
Umatilla County	Sept. 1–Dec. 31	6		
Wallowa County	Oct. 1–31	1		
Washington County	Oct. 1–Dec. 31	23		
Yamhill County	Sept. 1–Dec. 31	17		
Total for State		183		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18–Jan. 20	3		
New Castle	Feb. 1–28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 10–25	1		
Pittsburg	Dec. 13–19	1		Imported.
Prompton	Jan. 2–Feb. 10	3		
Total for State		11		
South Carolina:				
Winnsboro	Feb. 1–28	5		
Yorkville	Mar. 10–Apr. 26	14	8	And vicinity.
Total for State		19	8	
South Dakota:				
Aberdeen	May 1–Jan. 31	43		
Total for State		43		
Tennessee:				
Fayette County	Dec. 1–Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28–May 1	38		
Memphis	Jan. 1–Mar. 13	190	1	
Murfreesboro	Mar. 15–31	1		
Nashville	Dec. 20–May 8	46		
Polk County	Jan. 22	30		
Total for State		608	1	
Texas:				
Corpus Christi	Apr. 2			Present.
Cost	Oct. 1–Dec. 19			Do.
Cotulla	Jan. 25–Feb. 17			Do.
Denton County	Jan. 1–Feb. 8	9		Including Justin and Roanoke
El Paso	Feb. 10–Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1–Mar. 31	13		
Galveston	Mar. 6–Apr. 16	8		
Goliad County	Dec. 1–Jan. 20	25		
Houston	Jan. 1–Mar. 27	9		
Laredo	Dec. 26–Mar. 19	6		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–May 1	94		
San Augustine County	Jan. 5			Do
Total for State		440	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Utah:				
Beaver County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cache County	Jan. 1-Mar. 31	69		
Davis County	Nov. 1-Mar. 31	38		
Emery County	Feb. 1-28	4		
Garfield County	Dec. 1-Mar. 31	44		
Millard County	Jan. 1-Mar. 31	9		
Salt Lake County	Dec. 1-Mar. 31	170		
Salt Lake City	Dec. 1-Mar. 31	334	1	
Sanpete County	Dec. 1-Mar. 31	3		
Sevier County	Jan. 1-Mar. 31	88		
Summit County	Dec. 1-Feb. 28	32		
Utah County	Dec. 1-Mar. 31	2		
Weber County	Nov. 1-Feb. 28	18		
Total for State		814	1	
Vermont:				
Brattleboro	Dec. 5-Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor Township	Jan. 23	2		
White River Junction	Jan. 4-Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lithia	Mar. 1-Apr. 28	100		And vicinity.
Lynchburg	Jan. 10-30	3		Imported.
Norfolk	Feb. 5-17	3		On tug E W. Marts.
Port Royal	Dec. 28-Jan. 14	3		
Portsmouth	Apr. 21-27	1		
Richmond	Mar. 14-Apr. 10	2	1	Death in county hospital.
Total for State		113	1	
Washington:				
Bellingham	Jan. 25-Mar. 23	10		
Camas	Dec. 29-Mar. 8	18		
Seattle	Oct. 1-Mar. 31	22		
Spokane	Dec. 6-Apr. 24	27	1	
Tacoma	Dec. 14-Apr. 4	69		
Total for State		146	1	
West Virginia:				
Charleston	Jan. 1-31	1		
Moundsville				Present in January.
St. Albans	Feb. 16-Apr. 12	19		
Weston	Jan. 15-Feb. 13	1		
Total for State		21		
Wisconsin:				
Adams County	July 1-Sept. 30	3		
Barron County	July 1-Sept. 30	1		
Chippewa County	July 1-Sept. 30	6		
Dane County	July 1-Sept. 30	1		
Dodge County	July 1-Sept. 30	1		
Douglas County	July 1-Sept. 30	28		
Superior	Apr. 25-May 1	3		
Dunn County	July 1-Sept. 30	1		
Fond du Lac County	July 1-Sept. 30	3		
Green County	July 1-Sept. 30	2		
Iron County	July 1-Sept. 30	2		
Kewaunee County	July 1-Sept. 30	1		
La Crosse County—				
La Crosse	Dec. 13-May 1	49		
Manitowoc County—				
Manitowoc	Dec. 13-Feb. 27	14		
Marathon County	July 1-Sept. 30	2		
Milwaukee County—				
Milwaukee	Dec. 6-Apr. 24	191		
Monroe County	July 1-Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6-Apr. 17	3		
Ozaukee County	July 1-Sept. 30	3		
Pierce County	July 1-Sept. 30	4		
Polk County	July 1-Sept. 30	1		
Racine County—				
Racine	Mar. 21-Apr. 10	6		
Rusk County	July 1-Sept. 30	3		
Sheboygan County	July 1-Sept. 30	32		
Total for State		372		
Grand total for the United States		9,748	40	

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Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	May 1	38,973	13		1	1		2		3					
Ann Arbor, Mich	do	14,509	7	1								2		1	
Appleton, Wis	do	15,085	6	1	1			1		1					
Ashtabula, Ohio	do	12,949	3												
Auburn, N. Y	Apr. 24	30,345	10	1		1								4	
Do	May 1	30,345	9	1	2									1	1
Baltimore, Md	do	508,957	206	18	33	2		5		9	2	183	8	22	1
Bath, Me	do	10,477								1					
Bayonne, N. J	do	32,722						3		1		3			
Beaver Falls, Pa	Apr. 30	13,000										2			
Berkeley, Cal	Apr. 24	13,214	3			1				3		2			
Biddeford, Me	May 1	16,145	4	1	1										
Biloxi, Miss	do	5,467	3					1	1	1	1	1			
Binghamton, N. Y	do	38,647	10		1										
Boston, Mass	do	560,892	224	78	19	11		60	3	46	4	85	3	4	1
Braddock, Pa	do	15,654	7					1		1					
Bradford, Pa	do	15,029	3		1	1									
Bristol, R. I	do	6,901								2					
Brockton, Mass	do	40,063	8	1	3			2				34		1	
Cambridge, Mass	do	91,886	19	7	4			6		2		30		7	
Camden, N. J	do	75,935	31					15	2	2	2				
Camden, S. C	do	2,441										3			
Carbondale, Pa	do	13,536	7												
Charlotte, N. C	Apr. 30	18,091	8		1							26	2	1	
Chelsea, Mass	May 1	34,072	5					3		2					
Chicago, Ill	do	1,698,575	596	70	67	28	2	112	6	88	21	346	9	30	4
Chicopee, Mass	do	19,167	6		2										1
Cincinnati, Ohio	Apr. 30	325,902	115	24	14			3		4	1	22		5	2
Cleveland, Ohio	do	381,768	135	21	9	5		13	1	15		64	1	26	
Clinton, Mass	May 1	13,667	7	1	1							1		2	
Columbus, Ga	do	17,614	9												
Columbus, Ohio	do	125,560	38	15	6	2	1	1		1		35		3	
Concord, N. H	Apr. 24	19,632	10							1		83			
Council Bluffs, Iowa	May 3	25,802	13					1		2	1	1			
Covington, Ky	May 1	42,938	8		2			1	1					2	
Danville, Ill	May 2	16,534	7					8		1					
Davenport, Iowa	Apr. 30	35,254										3			
Dayton, Ohio	May 1	85,333	31	1	4		1	2		1		33			
Detroit, Mich	do	285,704	125					13		6	1				
Duluth, Minn	Apr. 29	80,000	30		5			3		6		20			
Dunkirk, N. Y	May 1	11,616	7	2	2					1		1			
Elmira, N. Y	do	35,672	17	16	1			6		1		12	1		
El Paso, Tex	May 4	15,905	34	1	8	1		4		1		2	1	2	
Evansville, Ind	May 1	59,017	19		5			1		2					
Everett, Mass	do	24,336	13			2		4		2		1			
Fall River, Mass	do	104,863	30	3	2	3	1	5				2			
Findlay, Ohio	do	17,613	2									1			
Fort Wayne, Ind. [a]	Apr. 3	45,115	12					4		1		1			
Do	Apr. 24	45,115	8					5						1	
Galesburg, Ill	May 1	18,607	5												
Galveston, Tex	Apr. 30	37,789	12	2	1	1				1					
Glens Falls, N. Y	May 1	13,543	9		1							14			
Grand Rapids, Mich	do	87,565	16	1	3	1		17				8		1	1
Greensboro, N. C	do	10,035	5									1			
Hammond, Ind	do	12,376	5		1			1				4			
Harrison, N. J	do	10,596	2												
Hartford, Conn	Apr. 25	79,850	31		5	1		1		1				2	
Haverhill, Mass	May 1	37,175	9	5	1	1				4	1	2			
Hoboken, N. J. [a]	Apr. 10	59,364						2		2		5			
Do	May 1	59,364						3		3		5			
Hyde Park, Mass	do	13,244	3			1		1		1					
Indianapolis, Ind	May 2	169,164	56	3	4	1		3		4		60	2	4	
Jacksonville, Fla	May 1	28,429	21		4	1									
Jacksonville, Ill	Apr. 2	15,078	11												
Do	Apr. 9	15,078	5												
Do	Apr. 16	15,078	5												
Do	Apr. 23	15,078	8					1	1						
Do	Apr. 30	15,078	4					1		1	1				
Jersey City, N. J	May 2	206,433	72	1	8			23	1	7	3	25		6	

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Johnstown, Pa	May 1	35,936	13					11	1	5		3			
Kalamazoo, Mich	Apr. 3	24,404	13	3	2							9			
Do	Apr. 10	24,404	11	4	2			1				9			
Do	Apr. 17	24,404	8			1						7		2	
Do	Apr. 24	24,404	8									18		4	
Do	May 1	24,404	12		1			1				4		6	
Kansas City, Kans	do	51,418	24	2	5	1		4	1	4	1	23			
Kearny, N. J	do	10,896	3	1											
Kingston, N. Y	Apr. 29	24,535	11		4										
Knoxville, Tenn	May 1	32,637	12	1	1							17	1		
La Crosse, Wis	do	28,895	8												
La Fayette, Ind	May 3	18,116	8		1			1				5			
Lancaster, Pa	May 1	41,459	10					2				5			
Lawrence, Mass	do	62,559	30	4	4	1	2	2		1	1	32			
Lebanon, Pa	do	17,628		1		1		3		1		2			
Lexington, Ky	do	26,369	18		3					1				1	
Los Angeles, Cal	Apr. 24	102,479	75	13	13	4		20		1		4			
Lowell, Mass	May 1	94,969	34	4	6	3		3		2		4			
Lynchburg, Va	do	18,891						1				2		1	
Lynn, Mass	do	68,513						2		3		2			
Macon, Ga	May 2	22,746	3		1										
Malden, Mass	May 1	33,664	14	1	1			1				5		1	1
Manchester, N. H	do	56,987	27	2	2		1	1		3	1	2			
Manitowoc, Wis	do	11,786	2					1							
Marinette, Wis	do	16,195	3					1							
Marlboro, Mass	Apr. 24	13,609	3							2					
Massillon, Ohio	May 1	11,944	2												
Medford, Mass	do	18,244	7		1					1		1			
Milwaukee, Wis	Apr. 29	285,315	99	19	9	14	1	28	3	11		47	2		
Montclair, N. J	May 1	13,962	3	1				1				6			
Montgomery, Ala	Apr. 30	30,346	13		2										
Moline, Ill	May 2	17,248	5		1			7				11			
Morristown, N. J	Apr. 24	13,000	6	1						1		2			
Do	May 1	13,000	2			1		2				7		2	
Mount Vernon, N.Y	do	21,228	12		3							6			
Muncie, Ind	do	20,942	3	1		5	1			1					
Nanticoke, Pa	May 2	12,616	9	1	1					2	1	9	1		
Nashville, Tenn	May 1	80,865	38	2	7			2							
Newark, N. J	do	246,070	110		23	3		45	2	18	1				1
New Bedford, Mass	do	63,442	43	7	3	1		5		3		6			
Newburyport, Mass	do	14,478	5				1								
New London, Conn	do	17,548	8		1							1			
New Orleans, La	do	278,104	139	17	18	5	1	70	2	5		2			2
Newport, Ky	do	28,301	5		1			1							
Newton, Mass	do	33,587	4	1		2		1		3		27	1		
New York, N. Y	do	3,437,202	1,521	590	181	19	11	326	11	337	56	1389	37	62	13
Niagara, N. Y	do	19,457	6	3		5		8	1			1			
Norristown, Pa	do	22,265	6		1			1	1			39			
North Adams, Mass	do	24,200	7		2										
Northampton, Mass	do	18,643	8		1							28			
Oakland, Cal	Apr. 26	66,960	43	5	2	1		10		8	1	31			
Orange, N. J	May 1	24,141	12	2	2	1		4							
Paducah, Ky	do	19,446	5	3	1										
Palmer, Mass	do	7,801	2												
Peekskill, N. Y	do	10,358	7	1	1	2	2			1		2			
Philadelphia, Pa	Apr. 17	1,293,697	538	123	65	38	7	89	2	79	14	240	13	13	5
Do	Apr. 24	1,293,697	524	104	70	22	9	82	3	85	18	213	11	26	
Pittsburg, Pa	May 1	321,616	154	59	12	8	2	5		17	1	16	2	36	2
Pittsfield, Mass	do	21,766	6							1		1			
Plainfield, N. J	do	15,369	6	2				4				3			
Plymouth, Pa	do	13,649						2		2		1		1	
Portland, Me	Mar. 27	50,145	24	1		1				2	1				
Do	Apr. 3	50,145	15	2	2	1				1		1		3	
Do	Apr. 10	50,145	25	1	2		1	2		2					
Do	Apr. 17	50,145	26			3		3		3					
Do	Apr. 24	50,145	20	2		1		2		4				1	
Portsmouth, N. H	May 1	10,637			1			1							
Portsmouth, Va	May 4	17,427	11		2			4				1			
Pottstown, Pa	May 1	13,696	7												
Providence, R. I	do	175,597	80	7	5			6	1	8		1			
Racine, Wis.[a]	Apr. 3	29,102	7		1					6	1				
Do	May 1	29,102	5					1							

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Reading, Pa	May 3	78,961	26	2		3	1	1	2	2		1			
Rockford, Ill	May 1	31,051								1					
Rock Island, Ill	Apr. 24	19,493	2												
Do	May 1	19,493	5		1										
Sacramento, Cal	...do	29,282	13	1	1					3	1	1		2	
St. Louis, Mo	...do	575,238	192	42	23			17	2	21	2	524	3	5	
Salem, Mass	...do	35,956	9		1			2							
San Antonio, Tex	...do	53,321								1					
Sandusky, Ohio	...do	19,664	6			1						3			
San Francisco, Cal	Apr. 24	342,782	140	45	14	4		12		12	2	53		13	2
San Jose, Cal	...do	21,500	9												
Shamokin, Pa	May 1	18,202	5	5								22	1		
Somerville, Mass	...do	61,643	24	5		2	1	5		7	1	27			
South Bend, Ind	...do	35,999	10	2	2			5		2					
S. Bethlehem, Pa	...do	13,241	7	3	1	2						6			1
South Omaha, Nebr	Apr. 10	26,001								1	1				
Do	Apr. 17	26,001								1	1				
Spokane, Wash	Apr. 24	38,848	22		3		1	62	1	13	1	51			
Springfield, Ill	Apr. 30	34,159	14												
Springfield, Mass	May 1	62,059	25		2			2		3		5			1
Springfield, Ohio	...do	38,253	12	5	1										
Steelton, Pa	...do	12,068	4	1	1							1			
Superior, Wis	...do	31,091	13				1	14	1	2					
Taunton, Mass	...do	31,036	13		1			5							1
Titusville, Pa	...do	8,244	3			1									
Trenton, N. J	...do	73,307		3	3	1		5		1					
Walla Walla, Wash	...do	10,049	2					2		1					
Waltham, Mass	...do	23,481	12	1	1			2	1	3		12			
Washington, D. C	...do	278,718	137	28	18	6	1	16		4	1	96	1	13	
Weymouth, Mass	...do	11,324	1									7			
Wheeling, W. Va	...do	38,878	13	7	2					1		11			
Wichita, Kans	...do	24,671						2	1	2		167			
Wilkes-Barre, Pa	Apr. 30	51,721	18		1			4		2		86		1	
Wilkinsburg, Pa	Apr. 28	13,000	6	7	1	1		1		1		2			
Do	May 7	13,000	6					1		1					
Williamsport, Pa	May 1	28,757	12		2	1									
Wilmington, Del	...do	76,508	23		1										1
Winona, Minn	May 3	19,714	5												
Woburn, Mass	May 1	14,254	6												
York, Pa	Apr. 30	33,708		4		2		1							
Zanesville, Ohio	May 1	23,538	12		1	8	1								

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

PLAGUE.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, April 15 and 21, 1909.]

British Indies.—March 9: Quarantine measures declared at Orissa against arrivals from Hongkong.

Russia.—April 7: The city of Hongkong declared plague infected.

Turkey.—March 30: For arrivals from Maskat the measures formerly prescribed are replaced by medical inspection at the first Turkish port supplied with a sanitary physician.

ALGERIA.

Deratization at Algiers and other localities.

The following is taken from the *Bulletin Bimensuelle*, Algiers, April 15:

Algiers.—April 1–15: Rodents taken by the maritime sanitary service, 613; examined by the laboratory of health, 133; result, negative. Classification of rats: *Mus norvegicus*, 450; *Mus rattus*, 57; *Mus alexandrinus*, 20; *Mus musculus*, 86.

Month of March, 1909.

Arzew.—Rodents taken, 25; result, negative.

Beni-Saf.—Rodents taken, 34; result, negative.

Bona.—Rodents taken, 296; examined, 136; result, negative. Classification of rodents: *Mus norvegicus*, 253; *Mus rattus*, 2; *Mus alexandrinus*, 23; *Mus musculus*, 18.

Bougie.—Rodents taken, 29; examined, 17; taken from wharves. Result, negative.

Dellys.—Rodents taken, 129; 51 in the city; 78 on the wharves.

Mers-el-Kebir.—Rodents taken, 25; result, negative.

Nemours.—Rodents taken, 19; result, negative.

Oran.—Rodents taken, 785; examined, 231; result, negative.

Philippeville.—Rodents taken, 48; examined, 42; result, negative. Classification of rodents: *Mus norvegicus*, 40; *Mus rattus*, 8.

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BARBADOS

Report from Bridgetown—Inspection and fumigation of vessels—Status of yellow fever.

Acting Assistant Surgeon Urquhart reports, April 24:

Week ended April 24. Bills of health issued to 9 vessels having a total of 64 passengers and 302 members of crews. One vessel was fumigated.

One new case of yellow fever was reported during the week The case occurred in the country about 15 or 20 miles from this port. There has been no yellow fever actually present in the port for the past 4 weeks.

CHINA.

Report from Amoy—Leprosy and smallpox.

Passed Assistant Surgeon Foster reports, March 29:

Week ended March 27. No bills of health issued.

Leprosy and smallpox are present in the port of Amoy.

Reports from Hongkong—Quarantine restrictions—Plague and smallpox—Examination of emigrants—Inspection of vessels.

Acting Assistant Surgeon Gröne reports, April 2 and 6:

Week ended March 27. Restrictions enforced by Hongkong remain as reported March 20.

Restrictions enforced against Hongkong remain as reported March 20.

Return of quarantinable diseases: Plague 5 cases, 4 deaths; smallpox 1 case. Aliens for Honolulu and Pacific coast ports: Examined, 641; rejected, 99. Aliens for Philippine Islands: Examined, 5; rejected, 4. Vessels inspected and granted bills of health, 8.

Week ended April 3: Restrictions enforced by Hongkong remain as reported on March 27.

To the restrictions enforced against Hongkong as reported on March 27, the following have been added:

Place or port.	Nature of measure.
Madras.....	Arrivals from Hongkong subject to regulations under the Venice convention at uninfected ports.

Quarantinable diseases: Plague, 6 cases, 5 deaths; smallpox, 1 case.

Aliens for Philippine Islands: Examined, 17; rejected, 9.

Vessels inspected and granted bills of health, 10.

Reports from Shanghai—Inspection of vessels—Examination of emigrants—Plague-infected rats; new foci of infection—Precautions against infection of vessels by rats—Smallpox at Hankau.

Acting Assistant Surgeon Ransom reports, April 7:

Week ended March 27. Supplemental bill of health granted to 1 teamship with an aggregate personnel of 71; vessel and members crew inspected.

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The steamship *Flintshire*, Yokohama to Manila via Kobe, Shanghai, and Hongkong, remained in this port for 2 days anchored in the stream. No cargo was taken for Manila, but loading for ports beyond was continued throughout the day and night, and no rat guards were used on the lines to lighters, etc. The crew of this vessel was directed to be bathed and disinfected at Hongkong prior to departure for Manila.

Numerous inspections were made during the week of cargo intended for shipment to the United States and of the establishments preparing the same.

Plague-infected rats continue to be found in all sections of Shanghai. During the week 653 dead rats were examined, of which number 10 were found to be infected, 5 each from the eastern and northern districts. Since February 25 there have been discovered 42 new foci of infection, distributed as follows: Eastern district 21, northern district 16, central district 4, western district 1. The infection has extended considerably to the eastward of the settlement, a new focus having been discovered beyond the Yangtszepoo creek. Haffkine prophylactic is being used to some extent, particularly among persons connected with the collection of dead rats, etc. Forty-eight persons were inoculated last week and 575 houses temporarily rat-proofed. There were caught in traps and destroyed during the week 865 rats, the total number of traps under observation being 2,315. Poisoned baits laid amounted to 153,532.

Reports from Hankau to March 20 show smallpox present.

Week ended April 3. Supplemental bills of health granted to 3 steamships having an aggregate personnel of 1,168. There were inspected 2 vessels, 8 cabin passengers, 9 steerage passengers, and 138 members of crews. Seven pieces of baggage were also inspected and passed. Ten emigrants for San Francisco per steamship *Mongolia* were examined, one of whom was advised to wait on account of suspected trachoma. There were bathed 24 members of crews, and their effects, numbering 39 pieces, were disinfected by steam. Manifests were viséed for 6,977 pieces of freight, amounting to 813.21 tons.

The steamship *Mongolia*, Hongkong to San Francisco, remained in this port 23 hours, anchored at Woosung. She loaded from lighters during daylight only. Shore liberty was granted to cabin passengers and the officers of the vessel. Inspection of the personnel taking passage from Shanghai was held on board the tender for the vessel at the hour of her departure.

The steamship *Norman Prince*, Yokohama to New York via Shanghai and Singapore, was in this port 8 days, anchored in the stream. No rat guards were used on the lines to lighters, etc., but loading was carried on during daylight only. Shore liberty was allowed the entire personnel. The holds of the vessel were fumigated at Yokohama, and the Kobe bill of health stipulated that the crew were to be bathed and disinfected at Shanghai, which was accordingly done. Inspection of the vessel and her personnel was held on board at the hour of her departure.

The steamship *Shinano Maru*, Hongkong to Seattle, remained at Shanghai twenty-six hours, anchored in the stream. She was loaded from lighters during daylight only. Shore liberty was allowed to cabin passengers and the officers of the vessel. Inspection of the vessel and personnel was held on board at the hour of sailing.

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Plague-infected rats continue to be found in the various districts. There were examined during the week 536 rats found dead, of which number 7 were found to be infected with the plague bacillus. Four infected rats were collected from the eastern, 2 from the northern, and 1 from the central districts. Rat traps under observation numbered 2,166, in which 787 were caught. Trapped rats were not examined for plague. There were temporarily rat-proofed 507 dwellings. No persons were immunized during the week.

COSTA RICA.

Report from Limon, fruit port.

Acting Assistant Surgeon Goodman reports:

Week ended April 24. Estimated population, 8,000. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health were issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 17	Preston	New Orleans	32	0	0
18	San Jose	Boston	44	1	0
19	Siberia	New York	52	55	1
21	Ellis	New Orleans	39	4	42
22	Belvernon	Mobile	20	0	0
23	Reventazon	New York	54	10	0
23	Bluefields	New Orleans	24	0	0

CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, April 26:

Week ended April 24.

Vessels inspected	7
Bills of health issued	7
Members of crews inspected	251
Passengers landed (not inspected)	5

No quarantinable diseases were reported during the week.

Report from Habana—Inspection and fumigation of vessels—Sanitary conditions.

Passed Assistant Surgeon Amesse reports, May 4:

Week ended May 1.

Bills of health issued	27
Vessels inspected	26
Members of crews of out-going vessels inspected	1,162
Passengers of out-going vessels inspected	1,435
Vaccination certificates issued	33
Vessels fumigated	2

Sanitary conditions in Habana continue satisfactory.

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Report from Matanzas—Inspection and fumigation of vessels—Sanitary inspectors appointed.

Acting Assistant Surgeon Nuñez reports, May 3:

Week ended May 1. Bills of health granted to 6 vessels clearing for the United States. The British steamship *Malinche*, bound from Progreso, Mexico, to New Orleans, via Cardenas, Caibarien, and Matanzas, was fumigated at this port April 25, when about to leave for her port of destination. This vessel was not fumigated on leaving Progreso, and was held in quarantine by the Cuban authorities at every port she touched. No sickness had developed on board up to the time of her inspection.

Two new medical officers with residence in Matanzas, have been appointed by the secretary of sanitation for the inspection of the sanitary condition of the different towns of this province when so ordered by the director of sanitation. They report satisfactory conditions from every place inspected.

Report from Santiago—Inspection of vessels—Leprosy.

Acting Assistant Surgeon Wilson reports, April 28:

Week ended April 24. Bills of health issued to 8 vessels bound for the United States and its dependencies. No vessel was fumigated. No new case of quarantinable disease has been reported. There are 3 cases of leprosy under treatment.

ECUADOR.

Report from Guayaquil [a]—Inspection of vessels—Plague and yellow fever.

Passed Assistant Surgeon Wightman reports, January 12:

During the week ended December 26 a bill of health was issued to 1 steamship with a personnel of 88 members of crew, 19 cabin and 21 steerage passengers.

For the same week a total of 45 deaths was reported for Guayaquil, among which 2 were from yellow fever and 2 from plague.

GERMANY.

Report from Berlin—Status of cholera in Russia.

The following is received from Consul-General Thackara, under date of April 24:

Week ended March 27, 25 cases of cholera, with 5 deaths, were registered in the city of St. Petersburg and suburbs; from March 28 to April 4, 10 cases, with 3 deaths.

GUATEMALA.

Report from Puerto Barrios, fruit port—Water containers—Stegomyia.

Acting Assistant Surgeon Ames reports as follows:

Week ended April 24, 1909. Present officially estimated population, 350. General sanitary condition of this port and the surrounding country during the week, good.

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[a] Report received out of date.

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Water containers inspected: Barrels, 26; not screened; no protection. Cisterns, 17; screened with wire gauze. Containers oiled. *Stegomyia* found in 10 barrels and 5 cisterns.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 20	Parismina	Colon	88	45	46
21	Origen	New Orleans	27	12	36

Temperature taken of all persons on board day of sailing.

HAWAII.

Reports from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, in temporary charge, reports, April 19 and 26:

HONOLULU.

Week ended April 17.

Total rats taken	666
Trapped	665
Found dead	0
Examined bacteriologically	583
Plague infected	0
Classification of rats trapped:	
Mus alexandrinus	109
Mus musculus	241
Mus norvegicus	171
Mus rattus	144
Average number of traps set daily	1,410
Poisons placed (barium carbonate)	295
Rat killed by sulphur dioxid	1
Classification of rat killed by sulphur dioxid:	
Mus musculus	1
Rats from Hilo referred to this laboratory for bacteriological diagnosis	2
Still under investigation	2
Proved to be plague infected during week	0

Week ended April 24.

Total number of rats taken	640
Trapped	637
Found dead	0
Examined bacteriologically	557
Plague infected	0
Classification of rats trapped:	
Mus alexandrinus	107
Mus musculus	247
Mus norvegicus	161
Mus rattus	122
Average number of traps set daily	1,410
Poisons placed (barium carbonate)	240
Rats killed by sulphur dioxid	3
Classification of rats killed by sulphur dioxid:	
Mus alexandrinus	3
Rats from Hilo referred to this laboratory for bacteriological diagnosis	0
Still under investigation	1
Proved to be plague infected during week	1

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HILO.

Week ended April 10.

Total rats taken	122
Trapped	120
Found dead	2

NOTE.—During March, 1909, 21,894 poisons were placed in Hilo and of these 3,851 were eaten. Three hundred and twenty-one rat holes were fumigated with carbon bisulphide.

HONDURAS.

Reports from Ceiba, fruit port.

Acting Assistant Surgeon Jumel reports:

Week ended April 28. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
April 22	Livingston	19	0	0	0
22	Babil	14	0	0	0
25	Colombia	19	0	0	0
27	Viator	16	0	0	0
28	Navigator	19	0	0	0

Temperature of all persons on above-named vessels taken at time of clearance.

Report from Puerto Cortez, fruit port.

Acting Assistant Surgeon Ames reports as follows: Week ended April 27. Present officially estimated population, about 2,500. General sanitary condition of this port and the surrounding country, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.
April 25	John Wilson	17	1
25	Harald	18	.....
26	Agnella	18	.....
26	Utstein	16	3
28	Harry T. Inge	31	3

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

Week ended April 24. Present officially estimated population, about 1,250. General sanitary condition of this port and the surrounding country during the week, good.

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Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 18	Fjell	Mobile	17	0	0
22	Habil	New Orleans	14	0	0
24	Colombia	Mobile		0	0

INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, March 31 and April 8:

Week ended March 27. No transactions.

Week ended April 3. Bill of health issued to the steamship *Kabinga*, bound for Philadelphia and New York with a total crew of 63, and to the steamship *African Prince*, bound for Boston and New York with a total crew of 30 and 6 passengers. The usual precautions were taken, holds fumigated, rat guards placed on wharf lines, and Asiatics' effects disinfected. The crew shipped in Calcutta in the steamship *Kabinga* were vaccinated.

Week ended March 27. At Calcutta, 143 deaths from cholera, 61 from plague, and 446 from smallpox; in Bengal, 466 cases and 412 deaths from plague; in India, 6,059 cases and 5,035 deaths from plague.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, April 19:

Vessels inspected at Naples and Palermo, week ended April 17.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Apr. 14	San Giorgio	New York	755	40	950
15	Europa	do	1,623	110	1,980
16	Barbarossa	do	947	90	1,350
16	Italia	do	575	50	820
17	Taormina	Philadelphia	2,117	150	2,790
	Total		6,017	440	7,890

PALERMO.

Apr. 15	San Giorgio	New York	890	1,150	190
17	Italia	do	523	646	160
	Total		1,413	1,796	350

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Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Apr. 14	San Giorgio	22	5	6	.....	5	38
15	Europa	34	2	9	.....	14	59
16	Barbarossa	19	2	14	.....	6	41
16	Italia	19	2	10	.....	14	45
17	Taormina	45	3	18	.....	12	78
	Total	139	14	57	.....	51	261

PALERMO.

Apr. 15	San Giorgio	36	.....	40	.....	6	82
17	Italia	16	.....	18	.....	6	40
	Total	52	.....	58	.....	12	122

Smallpox in Naples.—During the week ended April 18, 11 cases of smallpox were reported at the health office of the city of Naples.

Status of smallpox in Italy.

Week ended April 18. Cases: San Vito (Belluno), 1; Verona, 1; Viterbo (Rome), 1; Cerignola, 6; Foggia, 9; S. Agata d'Puglia, 9; Volturino, 11; Ortonova (Foggia), 19; Pagani (Salerno), 4.

JAPAN.

Report from Yokohama—Examination of emigrants.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Shinano Maru* for Seattle April 14 held for observation 10.

Per steamship *Tenyo Maru* April 17: For Honolulu, held for observation 2; for San Francisco, rejected 2, held for observation 3.

Of these rejections and detentions all but 1 were for trachoma.

Report from Kobe—Inspection of vessels—Examination and disinfection of emigrants—Plague in vicinity of Kobe—Care of lepers.

Acting Assistant Surgeon Knight reports April 8:

During the week ended April 3 supplemental bills of health were granted to 4 steamships and original bill of health was granted to 1 steamship.

There were inspected 113 members of crew and 992 steerage passengers. Fifty-two members of crews and 24 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 187 and of bedding 48. Manifests were viséed for 36,734 pieces of freight, amounting to 3,486 tons.

Emigrants were examined as follows:

Steamship *Mongolia* for Honolulu, passed 23, recommended for rejection 11; steamship *Mongolia* for San Francisco, passed 1, recommended for rejection 2.

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There was reported 1 case of plague, 5 miles east of Kobe in the country district.

It is officially reported that there are now under construction in Japan buildings and quarters for the colonization and treatment of persons afflicted with leprosy. In the Kobe consular district the stations are at Shikoku, 100 miles southwest of Kobe, and at Sotoshima, 18 miles east of Kobe. The capacity of each colony is about 300 patients. The doctors and officers have already been selected by the government. The buildings will probably not be opened until about May 1, owing to delay in the construction.

MEXICO.

Report from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports, April 29:

Week ended April 28. Three vessels inspected and passed.

Report from Mexico City—Yellow fever in vicinity of Merida and Maxcanu.

The following is received from Doctor Liceaga, President of the Superior Board of Health of Mexico, under date of April 19:

During the week ended April 17, 2 cases of yellow fever, confirmed April 11, occurred at Ticul, situated 75 kilometers distant from Merida.

Doctor Liceaga further reports, May 3:

Week ended May 1. One case of yellow fever at San Bernardo, 9 kilometers distant from Maxcanu.

Report from Tampico—Inspection of vessels—Smallpox along the intercoastal canal—Sanitary work—Sewerage and water-supply system.

Acting Assistant Surgeon Stowe reports, April 29:

Week ended April 28.

Vessels inspected and passed	2
Bills of health issued	3
Members of crews inspected	47
Passengers inspected	1

No quarantinable diseases occurred during this period.

Smallpox is prevailing in the country between here and Tuxpan along the intercoastal canal.

The local health authorities have established a temporary station at the junction of this canal with the Panuco River, and all shipping coming through this canal from the infected territory is inspected before pratique is given to enter Tampico.

Owing to a drought which has extended for a period of more than 3 months, with the exception of a slight rainfall about 10 days ago, mosquitoes have been scarce.

Five vessels were fumigated during the past month. Rigid inspection was made immediately after fumigation, but few mosquitoes were found.

The work of filling in the low-lying districts of the town is progressing rapidly, and the sewerage system is being improved by the

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laying of more pipe. The waterworks system is furnishing an abundant supply of good, wholesome water, and is just now the only source of supply.

Report from Veracruz—Smallpox—Antimosquito work—Smallpox and typhus fever in Mexico City.

Acting Assistant Surgeon Carter reports, April 26:

Week ended April 25. Two cases of smallpox with 2 deaths reported. Both cases are isolated. No cases of yellow fever have been reported since February 11. Very few mosquitoes are to be found, the weather still being dry and warm. The mosquito campaign is being carried on with regularity. Typhus and enteric fever are on the increase in Mexico City and smallpox is generally diffused.

NICARAGUA.

Report from Bluefields, fruit port—Stegomyia.

Acting Assistant Surgeon Layton reports:

Week ended April 28. Present officially estimated population, 2,500. General sanitary condition of this port and the surrounding country during the week, good. *Stegomyia* are now present in appreciable quantities. The numerous water receptacles in the port, hitherto dry, have been filled by recent showers and have become good breeding places.

Bill of health issued to the following-named vessel:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 21	Bluefields	New Orleans via Limon, Costa Rica, and Santa Marta, Colombia.	23	0	0

PHILIPPINE ISLANDS.

Report from Manila—Smallpox—Status of cholera in the provinces—Recrudescence of cholera in Bohol and Negros Occidental—Examination of cholera carriers—Inspection of vessels.

Chief Quarantine Officer Heiser reports, March 23:

Week ended March 20. Smallpox, 4 cases; 2 deaths.

Cholera cases and deaths in the provinces, as reported to the bureau of health during the week:

Province.	Cases.	Deaths.
Bohol	59	30
Capiz	17	11
Pampanga	4	5
Negros Occidental	38	26
Total	118	72

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Smallpox.—A few scattering cases of smallpox still continue to be reported in the city of Manila and from the neighboring provinces. All cases have occurred in persons who showed no evidences of ever having been successfully vaccinated, with the exception of one case of varioloid which showed evidence of having been vaccinated some years ago.

Cholera.—During the week there was a sharp recrudescence of this disease in the provinces of Bohol and Negros Occidental. In view of the fact that the places which are infected have only little maritime intercourse with other sections of the islands, there is not much danger to be apprehended from the spread of the disease on these routes.

The disease still exists in sporadic form in the provinces north of Manila, and a mild form of the disease is apparently present in a large area. Careful stool examinations of cholera carriers are now being carried out.

Consular bills of health issued at the port of Manila as follows:

March 15 the United States Army transport *Sheridan*, with 187 members of crew and 360 passengers, granted a bill of health for San Francisco via Nagasaki and Honolulu. Crew and steerage passengers bathed and effects and baggage disinfected. Vessel partially disinfected. Cargo and baggage either disinfected or passed after inspection. All persons on board inspected at the hour of sailing. March 15 the British steamship *Bellerophon*, with 87 members of crew, en route from Liverpool to Seattle and Tacoma, given a supplemental bill of health after the usual inspection of cargo and personnel. March 20 the British steamship *Falls of Orchy*, with 47 members of crew, en route from Newcastle to Zamboanga, granted a supplemental bill of health.

RUSSIA.

Report from Libau—Status of cholera in St. Petersburg—Typhus fever—Plague case previously reported—Examination of emigrants.

Acting Assistant Surgeon De Forrest reports, April 23:

Cholera.—From April 16 to 21, 22 cases of cholera, with 2 deaths, were reported at St. Petersburg. April 16 a case was taken off the train from Lewaschovno, at St. Petersburg.

Typhus fever.—At Libau 19 cases of typhus fever are reported to date, all among prisoners in jail.

Plague.—The case of plague previously reported (see Public Health Reports, Apr. 30, 1909, p. 581), is still present at Libau.

April 20 the steamship *Lituania* sailed for New York with 497 emigrants on board. All had been in Libau under observation for 5 days or more and left here in good physical condition. Ninety-six pieces of baggage were disinfected with formalin gas.

ST. LUCIA ISLAND.

Reports from Castries—Sanitary conditions—Sanitary inspection.

Acting Assistant Surgeon Maylie reports, April 13:

Weeks ended April 10 and 17. Estimated population of Castries, 8,000; deaths for the week, 9. The sanitary condition of the port and vicinity is good. No quarantinable diseases exist. Sir Rupert

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Boyce, of England, who is on a tour of inspection of the British West Indian islands, arrived here April 10 and is now making a sanitary inspection of Castries.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

BRAZIL—*Pernambuco.*—Two weeks ended March 15, 1909. Estimated population, 210,000. Total number of deaths, 285, including smallpox 5, yellow fever 1, measles 2, leprosy 1, and 59 from tuberculosis.

CANADA—*Ontario—Hamilton.*—Month of April, 1909. Estimated population, 66,967. Total number of deaths, 79, including scarlet fever 1, diphtheria 1, and 8 from tuberculosis. Cases: Scarlet fever 27, diphtheria 7, measles 4, and whooping cough 17.

Ontario—Niagara Falls.—Month of April, 1909. Estimated population, 9,000. Total number of deaths 10. Cause of deaths not reported.

Province of Quebec.—Annual report for the year 1907. Total number of deaths, 29,007, corresponding to an annual death rate of 18.07 per 1,000 of population, which is estimated at 1,604,489. The deaths from contagious diseases were. Enteric fever 530, diarrheal disease 4,404, measles 345, scarlet fever 79, whooping cough 249, diphtheria 577, and 2,884 from tuberculosis.

Quebec—Sherbrooke.—Month of April, 1909. Estimated population, 15,000. Total number of deaths, 31, including 12 from tuberculosis.

CEYLON—*Colombo.*—Five weeks ended January 16, 1909. Estimated population, 183,872. Total number of deaths, 780, including Asiatic cholera 3, smallpox 13, enteric fever 58, measles 1, and 73 from tuberculosis.

CHILE—*Punta Arenas.*—Month of February, 1909. Estimated population, 12,000. Total number of deaths, 24, including 8 from tuberculosis.

CHINA—*Kulangsu.*—Five weeks ended March 20, 1909. Estimated population, 8,000. Total number of deaths, 10; cause of death not reported.

FRANCE—*St. Etienne.*—Two weeks ended April 15, 1909. Estimated population, 150,000. Total number of deaths, not reported, including enteric fever 2, diphtheria 5, whooping cough 24, and 26 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended April 17, 1909, correspond to an annual rate of 17.1 per 1,000 population, which is estimated at 16,445,281.

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London.—One thousand six hundred and six deaths were registered during the week, including measles 112, scarlet fever 9, diphtheria 13, enteric fever 3, whooping cough 53, tuberculosis 149, and 9 from diarrhea. The deaths from all causes correspond to an annual rate of 17.3 per 1,000. In Greater London 2,224 deaths were registered. In the "outer ring" the deaths included 12 from measles, 8 from diphtheria, 2 from enteric fever, 4 from scarlet fever, and 1 from whooping cough.

Manchester.—Five weeks ended April 3, 1909. Estimated population, 655,435. Total number of deaths, 1,441, corresponding to an average weekly death rate of 23 per 1,000 of population, including measles 58, scarlet fever 22, whooping cough 25, enteric fever 16, and 182 from tuberculosis.

Ireland.—The average annual death rate represented by the deaths registered during the week ended April 17, 1909, in the 21 principal town districts of Ireland was 26.5 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Sligo, viz, 9.6, and the highest in Lurgan, viz, 48.7 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended April 17, 1909, correspond to an annual rate of 18.4 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Perth, viz, 20, and the lowest in Leith, viz, 8.5, per 1,000. The aggregate number of deaths registered from all causes was 656, including diphtheria 7, measles 5, scarlet fever 6, enteric fever 4, and 58 from whooping cough

GREECE—*Patras.*—Two weeks ended April 15, 1909. Estimated population, 40,000. Total number of deaths, 21, including 11 from tuberculosis.

INDIA—*Rangoon.*—Month of February, 1909. Estimated population, 290,347. Total number of deaths, 855, including Asiatic cholera 35, smallpox 20, enteric fever 106, measles 2, and 60 from plague.

JAPAN—*Formosa.*—Two weeks ended March 27, 1909. Estimated population, 3,108,723. Total number of deaths, 90, including enteric fever 2, and 85 from plague.

MADAGASCAR—*Tamatave.*—Month ended March, 1909. Estimated population, 7,086. Total number of deaths, 28; cause of death not reported.

MAURITIUS—*Port Louis.*—Month of January, 1909. Estimated population, 374,237. Total number of deaths not reported. Deaths from contagious diseases were: Enteric fever 3, plague 12, and 74 from tuberculosis.

PANAMA—*Panama, Colon, and Canal Zone.*—Month of March, 1909. Estimated population, 129,323. Total number of deaths, 184, corresponding to an annual death rate of 17.07 per 1,000, including

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typhus fever 3, malarial fever 25, beriberi 2, and 25 from tuberculosis. Of this number, 32 occurred among the employees of the Isthmian Canal Commission and Panama Railroad Company, corresponding to an annual death rate of 8.76 per 1,000, of which 6.84 per 1,000 was due to disease, including malarial fever 4, enteric fever 3, and 5 from tuberculosis. Total number of employees, 43,825.

SPAIN—*Almeria.*—Month of March, 1909. Estimated population, 50,000. Total number of deaths, 120, including enteric fever 1, smallpox 1, diphtheria 1, measles 3, and 8 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to May 14, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Jan. 2	16	13	
China:				
Hongkong	Dec. 28-Jan. 16	2	2	
India:				
Bombay	Dec. 9-Apr. 13		201	
Calcutta	Nov. 1-Apr. 3		772	
Madras	Nov. 14-Apr. 2		60	
Negapatam	Oct. 31-Mar. 19		35	
Rangoon	Nov. 8-Apr. 3		75	
Indo-China:				
Cholen	Nov. 9-15	1	1	
Saigon	Mar. 1-6	2	2	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1-Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1-Jan. 16	260	163	
Bataan	Nov. 1-7	1	1	
Bohol	Dec. 20-Mar. 20	479	229	
Bulacan	Nov. 1-Feb. 27	82	71	
Cagayan	Nov. 1-Jan. 16	114	67	
Capiz	Nov. 1-Mar. 20	1,467	833	
Cavite	Nov. 1-Feb. 20	110	81	
Cebu	Dec. 20-Feb. 6	21	15	
Ilocos Norte	Nov. 1-Jan. 16	335	235	
Ilocos Sur	Nov. 1-Jan. 2	207	140	
Iloilo	Nov. 1-Mar. 6	294	154	
Isabela	Jan. 24-30	2		
Laguna	Nov. 1-Mar. 6	119	81	
Leyte	Nov. 1-Mar. 6	158	125	
Negros Occidental	Nov. 1-Mar. 20	313	204	
Nueva Ecija	Feb. 14-20	1	1	
Palawan	Nov. 1-Dec. 19	10	5	
Pampanga	Nov. 1-Mar. 20	99	73	
Rizal	Nov. 1-Feb. 20	246	216	
Samar	Nov. 1-Mar. 13	196	223	
Sorsogon	Jan. 10-Mar. 13	100	65	
Surigao	Nov. 15-Jan. 12	7	4	
Union	Nov. 1-Jan. 12	12	8	
Zambales	Dec. 6-12	3	3	
Russia, general	Nov. 15-Apr. 10	4,303	1,780	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15-Jan. 23	34	13	
Bakoo	Nov. 22-28	3	2	
Batoon	Nov. 15-21	4	2	
Charkov	Dec. 6-Mar. 13	6	1	
Cronstadt	Nov. 15-Jan. 16	3	1	
Don, territory of	Nov. 15-Mar. 6	190	97	
Ekaterinislav	Nov. 15-Dec. 26	27	11	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia, general—Continued.				
Erivan	Dec. 1-31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7-Mar. 20	63	28	
Kherson	Nov. 15-Dec. 19	2	.....	
Kief	Nov. 15-Dec. 12	11	1	
Kooban	Nov. 15-Jan. 2	139	76	
Kostroma	Dec. 6-12	1	.....	
Livonia	Nov. 15-21	2	1	
Moscow district	Dec. 6-Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17-23	1	1	Imported.
Odessa	Nov. 29-Dec. 12	2	2	
Olonets	Nov. 21-28	1	1	
Poltava	Nov. 29-Dec. 5	3	.....	
Romanov-Borisoglyebsk	Mar. 10	.....	.....	Present.
Rybinsk	Mar. 13	7	.....	
Samara gov't dist	Nov. 29-Dec. 5	7	7	
Samarcand	Dec. 6-12	10	7	In vicinity.
Saratov	Nov. 15-Dec. 12	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of	Dec. 19-26	1	.....	
Stavropol	Nov. 15-21	1	.....	
St. Petersburg, government	Nov. 15-Mar. 19	35	.....	
St. Petersburg	Nov. 29-Apr. 10	2,290	710	Apr. 21, still present.
Tambov	Nov. 15-Dec. 12	16	8	
Tavride	Nov. 15-Dec. 19	9	5	
Terek, territory of	Nov. 15-Dec. 19	99	62	
Tiflis	Nov. 15-21	9	4	
Tomsk	Nov. 15-Jan. 23	102	48	
Toula	Feb. 21-Mar. 6	7	2	
Tver district	Nov. 15-Dec. 5	4	.....	
Volgoda	Dec. 6-12	1	.....	
Yelisavetpol	Nov. 26-Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1-Dec. 5	1	.....	
Straits Settlements:				
Penang	Feb. 27	1	.....	From s. s. Sunki Maru.
Singapore	Nov. 8-Feb. 27	.....	165	

YELLOW FEVER.

Barbados, general	Dec. 12-Apr. 24	65	22	Including the parishes of St. Andrew, St. John, St. Joseph, St. Lucy, St. Michael, and St. Thomas.
Bridgetown	Dec. 12-Mar. 20	11	.....	
Speightstown	Mar. 7	1	.....	
Brazil:				
Bahia	Nov. 15-Mar. 27	157	60	
Manaos	Nov. 29-Apr. 3	.....	16	
Para	Nov. 22-Apr. 17	.....	59	
Pernambuco	Nov. 15-Mar. 15	.....	3	
Colombia:				
Cartagena	Jan. 8-14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1-2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1	.....	
Dutch Guiana:				
Paramaribo	Dec. 1-Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29-Apr. 3	.....	98	
Martinique:				
Fort de France	Dec. 13-Mar. 6	5	1	
Mexico:				
Itzincal plantation	Dec. 6-12	2	2	
Maxcanu	Dec. 6-Jan. 23	5	4	Aug. 22-Dec. 18, 5 cases not previously reported.
Merida	Dec. 6-Apr. 13	16	8	
San Bernardo plantation	Dec. 27-May 1	8	4	
Sodzil plantation	Dec. 13-Jan. 2	7	5	
Ticul	Feb. 1-Apr. 13	4	2	
Veracruz	Dec. 6-Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20	.....	1	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Azores:				
Fayal	Apr. 1	1		Sept. 22–Mar. 31, 10 cases additional.
Terceira	Mar. 31–Apr. 1	17	6	
Australia:				
Brisbane	Nov. 1–7	1	1	
Brazil:				
Bahia	Nov. 15–Mar. 27	60	27	
Para	Jan. 24–Feb. 6		2	
Pernambuco	Nov. 1–Dec. 31		10	
Rio de Janeiro	Nov. 16–Mar. 28	75	36	
Chile:				
Antofagasta	Feb. 28–Mar. 11	32		Apr. 3, 11 cases in lazaretto.
Arica	Mar. 9			Present.
Iquique	Jan. 1–Apr. 4	51	19	Year 1908, 133–70; Apr. 4, 17 cases in the lazaretto.
Magillones	Mar. 9–10	70		
Taltal	Feb. 11			Present.
China:				
Amoy	Mar. 6	1		Present Mar. 20, and present at Wuchang in September.
Canton	Mar. 6–20	35	25	
Chinchew	Mar. 7–13			Present.
Fukien Province, Chang Poo	Mar. 7–13			Epidemic.
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–Apr. 3	31	23	
Tamchou	Dec. 19			Vicinity of Hainan; present.
Tientsin	Oct. 18–Nov. 21			Feb. 16, again present.
Tongshan	Nov. 1–14			Present.
Ecuador:				
Babohoyo	Jan. 16	3		
Guayaquil	Nov. 29–Apr. 3		85	
Milagro	Nov. 17–Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25–Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14–Jan. 20	4		
Port Said	Dec. 4–Apr. 14	2	1	
Suakim	Feb. 1	1		On ss. Hurlet II.
Provinces—				
Assiout	Dec. 2–Apr. 15	22	17	
Beherach	Nov. 24–Dec. 26	11	6	
Dakaklieh	Feb. 4–Mar. 20	6	6	
Gaiyoobeeyeh	Nov. 21–Feb. 2	3		
Garbieh	Nov. 27–Jan. 28	4	2	
Girgeh	Oct. 18–Mar. 14	8	8	
Fayoum	Nov. 23–Apr. 12	3	2	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Apr. 15	16	8	
German East Africa:				
Dar-es-Salaam	Oct. 10–Jan. 7	7	5	
Great Britain:				
Elstree	Feb. 3–4	1	1	At plague laboratory.
India:				
Bombay Presidency and Sind.	Nov. 2–Mar. 20	19,451	13,886	
Madras Presidency	Nov. 2–Mar. 20	1,101	789	
Bengal	Nov. 2–Mar. 20	4,731	3,946	
United Provinces	Nov. 2–Mar. 20	7,096	5,934	
Punjab	Nov. 2–Mar. 20	13,279	10,673	
Burma	Nov. 2–Mar. 20	4,783	4,530	
Central provinces, including Berar.	Nov. 2–Mar. 20	5,268	4,141	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Mar. 20	2,823	2,026	
Hyderabad State	Nov. 2–Mar. 20	616	509	
Central India	Nov. 2–Mar. 20	750	582	
Rajputana	Nov. 2–Mar. 20	2,757	2,513	
Kashmir	Mar. 14–20	5	2	
Grand total		62,665	49,534	
Indo-China:				
Cholen	Oct. 25–Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25–Mar. 13	24	20	
Japan:				
Amagasaki	Feb. 27			Present.
Awaji Island, Sumoto	Feb. 27			Do.
Formosa	Nov. 8–Apr. 10	484	391	Mainly in the central and south central part.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Japan—Continued.				
Kagi, prefecture	Jan. 16	5		
Hiogo, prefecture				Year 1908, 219 cases additional.
Kagoshima, prefecture	Feb. 6	1		From ss. Shinkochi Maru.
Kobe	Jan. 20–Apr. 10	6	4	3 cases from ss. Ghazee. Feb. 27, again present. Apr. 3, 1 case in vicinity.
Mikagi	Feb. 27			Present.
Nara, prefecture				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases. Feb. 28, still present.
Osaka	Dec. 22–Jan. 29	3	1	Year 1908, 59 cases additional. Case Jan. 29, on ss. Shinkochi Maru.
Tokushima, prefecture		1		Year 1908.
Yura		116	83	Do.
Mauritius	Oct. 2–Jan. 31		106	
Peru:				
Arequipa, general	Feb. 19–Apr. 1	6	4	
Mollendo	Nov. 1–Feb. 18	1	5	
Cajamarca, general	Feb. 19–Apr. 1	55	31	
Cascas	Feb. 12–18	12	5	
Chota	Jan. 22–Feb. 18	8	8	
Callao, general	Feb. 19–Apr. 1	7	3	
Callao	Nov. 13–Feb. 18	18	11	Apr. 12, present.
Lambayeque, general	Feb. 19–Apr. 1	39	15	
Chiclayo	Nov. 13–Feb. 18	44	23	
Eten	Nov. 13–Dec. 31	11	10	
Jayanca	Feb. 4	12		
Lambayeque	Feb. 18–Mar. 4	6	5	
Motupe	Dec. 17–Jan. 14	2		
San Jose	Nov. 13–Dec. 3	2		
Zaña	Jan. 14–Feb. 18	4	2	
Libertad, general	Feb. 19–Apr. 1	56	19	
Casma	Feb. 4	1	1	
Chepen	Nov. 27–Feb. 18	19	6	
San Pedro	Nov. 13–Feb. 18	28	21	
Trujillo	Nov. 13–18	153	70	
Lima, general	Feb. 19–Mar. 18	15	3	
Chorrillos	Jan. 22–Feb. 4	2	2	
Lima	Nov. 13–Feb. 13	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15		
Piura, general	Feb. 19–Mar. 4	2	1	
Catacaos	Dec. 11–Feb. 18	7		
Paita	Dec. 11–17	3	2	
Piura	Dec. 11–Jan. 14	6	4	
Russia:				
Libau	Mar. 30–Apr. 5	1		
Siam:				
Bangkok	Sept. 27–Feb. 28	13	7	
Straits Settlements:				
Singapore	Nov. 30–Mar. 20	3	3	
Turkey in Asia:				
Bagdad	Nov. 6–Feb. 5	14	7	
Beirut	Dec. 17–Jan. 9	5	5	
Jiddah	Dec. 12–Apr. 25	178	160	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1–Mar. 31		95	
Bona	Jan. 1–Mar. 31	57	34	
Arabia:				
Aden	Nov. 25–Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1–Dec. 31		2	
Australia:				
New South Wales—				
Newcastle	Nov. 1–30	1		
Austria:				
Bohemia	Jan. 31–Feb. 13	8		
Galicia	Dec. 20–Apr. 10	10		
Silesia	Jan. 3–Apr. 10	5		
Trieste	Mar. 21–27	1		

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia	Nov. 15–Mar. 27	327	29	
Para	Feb. 14–Mar. 27	3	2	
Pernambuco	Nov. 1–Mar. 15		118	
Rio de Janeiro	Nov. 16–Mar. 28	1,373	672	
Santos	Nov. 1–Dec. 20		10	
São Paulo	Nov. 1–Mar. 14		59	
British Honduras:				
Stann Creek	Feb. 5–Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28–Mar. 13	5		
Canada:				
British Columbia—				
Vancouver	Dec. 1–Mar. 31	7		
Victoria	Dec. 12–Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20–Jan. 20	6		
Ontario, Province, general	Dec. 1–31	118		
Hamilton	Jan. 17–23	1		
Toronto	Nov. 8–Mar. 6	21		
Nova Scotia—				
Halifax	Dec. 13–May 1	74		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1–Mar. 27	29		Revised.
Quebec—				
Montreal	Dec. 26–Jan. 2	1		
Ceylon:				
Colombo	Nov. 1–Mar. 27	194	43	Reports Dec. 19–Jan. 26 received out of date.
Chile:				
Concepcion	Jan. 15–31	1		
Talcaguana	Nov. 20–Jan. 28			Present in vicinity.
Valparaiso	Dec. 6–19	2		
China:				
Amoy	Oct. 11–Nov. 8		2	Mar. 27, still present.
Canton	Mar. 6–27	65		
Hankau	Mar. 20			Present.
Hongkong	Jan. 3–Apr. 3	18	6	
Shanghai	Nov. 11–Apr. 4	6	6	3 cases Nov. 11–Dec. 28 from U. S. transport Seward.
Tientsin	Jan. 17–Feb. 27	10	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26–Apr. 3	5		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12–Feb. 25	737	164	
Alexandria	Nov. 26–Feb. 28	42	26	
Cairo	Nov. 19–Apr. 8	478	116	
Suez	Feb. 19–Mar. 6	27	2	
France:				
Marseille	Dec. 1–Jan. 31		2	
Nantes	Mar. 15–21	1		
Nice	Jan. 1–Feb. 28	2		
Paris	Nov. 22–Apr. 24	59	3	
Toulon	Jan. 1–31	1		
Germany, general	Nov. 19–Apr. 24	77		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Brunswick	Feb. 16–20	1		
Hamburg	Mar. 13	2		Among Russian emigrants.
Konigsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22–Mar. 6		5	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–Apr. 10	30	7	
Cardiff	Apr. 3–10	1		
Dunbar	Mar. 21–27	1		From a vessel.
London	Feb. 1–6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25–Apr. 13		237	
Calcutta	Nov. 1–Apr. 3		2,899	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
Madras	Nov. 28–Apr. 2		20	
Rangoon	Nov. 22–Apr. 3		73	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–Mar. 21	35	21	
Italy, general	Nov. 30–Apr. 18	313		Report for Apr. 11 not received.
Catania	Feb. 28–Apr. 17	8		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–Mar. 10	4		
Genoa	Dec. 1–Feb. 28	8		
Naples	Dec. 7–Apr. 18	371	59	Jan. 18, 1 case on s. s. Europa.
Palermo	Jan. 24–Mar. 6	11	2	
Poleselia	Dec. 1			Epidemic.
Tatrinoll	Jan. 15–21	2		
Japan:				
Formosa	Nov. 29–Mar. 13	19		
Kobe	Feb. 14–Mar. 6	5	2	3 cases in March from s. s. Ghazee from Singapore.
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–Mar. 27	70	6	
Malta	Nov. 22–Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17–Apr. 10	7	2	
Mexico:				
Acapulco	Jan. 11–Feb. 14	15		
Acayucan	Mar. 17			Present.
Chihuahua	Apr. 19–25	1		
Guadalajara	Jan. 7–Apr. 22		15	
Mexico City	Nov. 8–Mar. 27		220	
Monterey	Jan. 4–May 2		57	
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Salina Cruz	Jan. 1–15	5		
Tampico	Apr. 28			Present at localities between Tampico and Tuspan.
Tehuantepec	Jan. 28–Feb. 3			Present.
Veracruz	Dec. 13–Apr. 5	8	4	Apr. 20, still present.
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Rotterdam	Jan. 10–Mar. 27	1	1	
Newfoundland	Feb. 9–Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10–Apr. 3	11		Case Jan. 10 from s. s. Portia.
Norway:				
Bergen	Jan. 24–30		2	
Christiania	Nov. 22–28	1	1	
Paraguay:				
Asuncion	Dec. 20–26			Present.
Persia:				
Arabistan	Jan. 1–28			Do.
Dizfoul	Jan. 1–28			Do.
Hamadan	Oct. 2–Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1–31			Do.
Mechedisser	Jan. 1–28			Do.
Mohammerah	Jan. 1–28			Do.
Sultanabad	Oct. 1–31			Do.
Tabriz	Oct. 2–8			Do.
Teheran	Sept. 18–Oct. 28		17	
Trebizond	Jan. 16			Do.
Peru:				
Lima	Nov. 22–Dec. 31	11		Mar. 27, 1 case in the lazaretto.
Salaverry	Nov. 19–25		1	
Philippine Islands:				
Manila	Nov. 1–Mar. 20	51	18	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20–Jan. 2	2		
Portugal:				
Lisbon	Nov. 30–Apr. 10	47		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1–Feb. 28	2		
Moscow	Nov. 20–Apr. 17	422	161	
Odessa	Oct. 4–Mar. 28	88	12	
Reval	Jan. 1–31	1		
Riga	Nov. 29–Apr. 24	22		
St. Petersburg	Nov. 15–Apr. 10	196	54	
Warsaw	Nov. 1–Feb. 13		65	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala.
Servia:				
Belgrade	Dec. 6-12	2		
Siam:				
Bangkok	Feb. 1-28	111	72	Present in November.
Siberia:				
Vladivostok	Dec. 14-Feb. 14	2		
Southeast Africa:				
Lourenço Marquez	Jan. 1-31	1	1	
Spain:				
Almeria	Jan. 1-Mar. 31		4	Apr. 1-Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6-Apr. 26		61	
Cartagena	July 1-31		15	
Huelva	Mar. 1-31		2	
Madrid	Nov. 1-Mar. 31		88	
Valencia	Nov. 29-Apr. 24	102	9	
Vigo	Nov. 30-Mar. 27		12	
Straits Settlements:				
Penang	Mar. 1-27	2	2	Case Mar. 1 from s. s. Pentakota; case Mar. 27 from s. s. Hong Sin.
Singapore	Dec. 28-Mar. 27		10	
Switzerland:				
Zug, Canton	Apr. 11-17	1		
Zurich	Feb. 21-27	3		
Tripoli:				
Tripoli	Feb. 13-Apr. 10	101	15	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bagdad	Feb. 13-Apr. 3			Present.
Bassorah	Jan. 3-Apr. 10			Do.
Smyrna	Oct. 7-Mar. 25		73	
Turkey in Europe:				
Constantinople	Dec. 7-Apr. 4		64	
Trebizond	Feb. 7-20			Do.
Uruguay:				
Montevideo	Dec. 1-Feb. 28		13	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Apr. 17	181,918	61											1
Acapulco	Apr. 24	5,000	7											
Aden	Mar. 29	43,974	16	2										
Do	Apr. 5	43,974	24	6										
Aguascalientes	Apr. 25	40,000	54	1					2					2
Amsterdam	Apr. 24	566,218	178	18							1	2	5	4
Antwerp	Apr. 10	313,921	85	7							3			3
Athens	Apr. 17	241,058	81	21										
Bahia	Mar. 20	265,000	112	14	1		7	1						
Do	Mar. 27	265,000	86	12			5	1						
Barcelona	Apr. 19	600,000	325	20				1		7		8		
Barmen	Apr. 3	161,300	36	5									2	
Do	Apr. 10	161,300	40	4								1	2	
Barranquilla	Mar. 27	40,000	9	1										
Do	Apr. 3	40,000	13	2										
Do	Apr. 10	40,000	14	2										
Basel	do	131,000	41	7									1	
Belfast	do	386,576	200	36								1		1
Do	Apr. 17	386,576	206											2
Belize	Apr. 22	9,113	3											
Bergen	Apr. 10	87,749	16	3										
Birmingham	Apr. 17	558,336	200								3		14	9
Bombay	Apr. 6	977,822	1,039	45	407	14		17					4	

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Bordeaux	Apr. 10	253,000	104	19						3			2	
Do	Apr. 17	253,000	114	11								3	4	
Bremen	do	234,719	66	9								1	1	
Breslau[a]	Feb. 13	335,186	190	28							2	4	1	1
Do	Apr. 10	335,186	202	41								2		
Bristol	Apr. 17	377,642	114	3								1	8	3
Brussels	do	704,975	161	15							1		3	
Budapest	Apr. 10	804,200								3	3	4	2	
Calcutta	Mar. 27	847,796	1,110	39	61	143		446					2	
Cartagena	Apr. 11	30,000	7											
Ceiba	Apr. 24	6,500	3	1										
Chemnitz	Apr. 10	272,488	73	10								1	1	
Christiania	do	235,000	42							1		2		
Do	Apr. 17	235,000	74								1	2		1
Coburg	Apr. 10	23,323	6	1										
Cognac	Apr. 17	19,483	4											
Cologne	Apr. 10	469,299	137	18						1	4	3	1	2
Colon	Apr. 18	16,000	6											
Constantinople	Apr. 11	1,000,000	347	49						7			3	
Copenhagen	Apr. 3	447,000	154	17							2	1	7	2
Dalny	Mar. 27	35,947	28	1										1
Do	Apr. 3	35,947	21	1										
Dresden	Apr. 10	544,700	147	19							1	4	5	
Dublin	do	394,525	205	42						2		1	6	7
Do	Apr. 17	394,525	220	43						1	1	2	6	11
Durban	Mar. 27	60,244	16	1						1				
Edinburgh	Apr. 17	355,366	122	14							1			5
Erfurt[a]	Jan. 2	107,445	36	8							2	4		
Do	Jan. 9	107,445	35	4							2	2		
Do	Jan. 30	107,445	30	3							2	1	1	
Do	Feb. 13	107,445	36	2						1	2		2	
Do	Apr. 3	107,445	33	2						3	1	1	3	
Do	Apr. 10	107,445	38	4						1	1		1	
Fiume	Apr. 15	50,811	39	11								2		
Do	Apr. 21	50,811	14	3										
Flushing	Apr. 17	21,208	9											
Frankfort-on-the-Main	Apr. 10	363,200	105								3	3	1	
Geneva	do	118,500	43								1			
Georgetown[b]	Apr. 3	56,060	101	5								1		
Ghent	Apr. 10	164,579	63	7									2	
Gibraltar	Apr. 11	26,830	7											
Do	Apr. 18	26,830	4	1										
Glasgow	Apr. 23	872,021	323							4	4	4	1	44
Gothenburg	Apr. 17	162,417	47	6								1		
Greenock	do	72,300	26											4
Guadalajara	Apr. 22	125,000	120					1		1	1			
Guayaquil	Apr. 3	75,000	108	6	11		18			3				
Halifax	Apr. 24	40,787	23	4								1		
Hamburg	Apr. 17	872,252	252	37							3	2	2	2
Hamilton, Bermuda	Apr. 26	20,206	5											
Hongkong	Mar. 13	315,616			1			3				1		
Do	Mar. 20	315,616			5			1						
Hull	Apr. 10	275,552	85									1	1	1
Do	Apr. 17	275,552	66									1	2	
Kobe	Mar. 3	380,717	147									2		
Do	Mar. 27	380,717	130		1							1		
Königsberg	Apr. 10	239,100	80	9										
Lausanne	do	60,000	21											
Leeds	Apr. 17	484,012	164	13						1		1	1	3
Leipzig	Apr. 10	537,686	164	23						2	2	2		1
Leith	Apr. 17	85,721	14									1		
Libau[a]	Jan. 3	90,000									6			
Do	Jan. 13	90,000									1			
Do	Apr. 11	90,000									10			
Do	Apr. 18	90,000									1			
Liege	Apr. 3	176,334	45	5									1	
Liverpool	Apr. 17	760,357	310	23						3	6	1	29	6
Lisbon	Mar. 27	406,869	188	24						3			1	
London	Apr. 17	4,833,938	1,606	149						3	9	13	112	53

[a] Reported out of date. [b] Total deaths cover two weeks from hospital.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Lübeck	Apr. 17	97,000	36	1										
Lyon	Apr. 10	472,114	198	35							1	2	1	1
Madras	Apr. 2	509,346	335			3		3					2	
Magdeburg	Apr. 3	250,902	88	6							3	1	1	
Do	Apr. 10	250,902	79	6								1		
Managua	Apr. 3	22,278	11	1										
Do	Apr. 10	22,278	7											
Manchester	Apr. 17	631,533	257	28						2	1	5	15	2
Mannheim	Apr. 3	182,482	33	6								1		
Manzanillo	Apr. 10	1,700	3											
Matamoros	Apr. 24	8,000	5	3										
Mazatlan [a]	Feb. 20	22,000	16											
Do	Apr. 10	22,000	10											
Do	Apr. 17	22,000	19											
Mexico	Mar. 6	400,000	460	26				20	25		18	5	6	5
Do	Mar. 13	400,000	438	29				22	28		15	7	3	2
Do	Mar. 20	400,000	486	38				25	12	1	15	5	4	2
Do	Mar. 27	400,000	479	32				24	114	2	17	3	4	4
Milan	Apr. 4	900,000	266	37						4	3		5	
Monterey	Apr. 25	100,000	77	6				8					1	
Montreal	Apr. 24	378,856	143	25							4	1	3	
Moscow	Apr. 3	1,335,104	812	94				13	10	2	30	5	37	3
Do	Apr. 10	1,335,104	820	95				10	6	3	21	10	22	10
Munich	...do	566,000	235	43							3	1	3	3
Nagasaki	Apr. 4	175,936	44											
Newcastle-on-Tyne	Apr. 17	281,584	96									1	1	1
Niuchwang	Mar. 27	60,000	12											
Nottingham	Apr. 10	260,000	89							1			3	4
Nuevo Laredo	Apr. 24	8,000	7	1						1				
Nuremberg	Mar. 27	316,180	101	18						1		1	1	2
Palermo	Apr. 3	330,000	129	9										
Do	Apr. 10	330,000	127	10								1		
Paris	Apr. 17	2,766,394	1,016	203						4	6	7	8	5
Penang	Mar. 27	102,520	71	16				1						
Plymouth	Apr. 17	124,180	39										4	
Port Elizabeth	Apr. 3	32,959	14	4										
Prague	...do	229,571	132	35							1	4	3	
Queenstown	Apr. 17	7,684	4											
Rangoon	Mar. 27	252,155	190	5	16	4		3						
Rotterdam	Apr. 17	413,337	154							1	2	1		
Saigon	Mar. 21	208,000						1						
St. John, N. B	May 1	40,711	14	1										
St. Stephen, N. B	...do	2,840	2											
San Feliu de Guixols	Apr. 17	11,094	3	2										
Santa Cruz de Teneriffe	Apr. 10	46,000	16	3										
Santiago de Cuba	Apr. 24	53,614	12	3										
Schiedam	Apr. 10	31,568	9											
Do	Apr. 17	31,568	11											
Shanghai	Mar. 20	550,000	120	11							2			
Sheffield	Apr. 3	440,000	191	16								1	29	1
Do	Apr. 17	440,000	153	11									27	5
Singapore	Mar. 20	260,000	147	21	1									
Southampton	Apr. 17	124,667	37	4						2		2		
South Shields	...do	117,627	29	1								1		
Stettin	Apr. 17	230,000	78	7								4		
Stockholm	Apr. 3	339,582	89	11							3	3		3
Sunderland	Apr. 17	159,137	63										5	2
Tegucigalpa	Apr. 13	24,000	5											
Tientsin	Mar. 27	1,000,000	3	1										
Do	Apr. 3	1,000,000	8	3										1
Trieste	...do	217,706	123										1	
Do	Apr. 10	217,706	95										2	
Toronto	Mar. 6	272,600	96							1	1	5		
Do	Mar. 13	272,600	98								2	4		
Do	Mar. 20	272,600	126							2	3	2		
Do	Mar. 27	272,600	99							1	1	4		
Do	Apr. 3	272,600	118							3		3		
Do	Apr. 10	272,600	100							2		3		
Do	Apr. 17	272,600	110							2	2	5		
Do	Apr. 24	272,600	116							2	2	3		
Turin	Apr. 16	381,439	183	16						1			1	

[a] Reported out of date.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Venice	Mar. 27	179,286	75	8								3		
Do	Apr. 3	179,286	65	4										1
Do	Apr. 10	179,286	74	7								2	1	
Vevey	do	14,500	8											
Victoria, B. C.	Apr. 24	30,000	8											
Vienna	Apr. 17	2,064,037	767	128							6	11	13	5
Vigo	do	40,000	6	1										
Warsaw	Feb. 13	751,595	312	79				2			8	1	12	
West Hartlepool	Apr. 17	66,750	17											
Winnipeg	Apr. 24	118,000	23							1				
Zanzibar	Mar. 31	70,000	21	4										

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended May 8, 1909.

Dead inspected	129
Plague	0
Premises inspected	2,489
Houses disinfected	199
Nuisances abated	300
Rats found dead	59
Rats trapped	2,286
Total rats taken	2,345
Rats identified:	
Mus norvegicus	1,641
Mus rattus	53
Mus musculus	587
Mus alexandrinus	31
Total	2,312
Rats identified as to sex:	
Male	770
Female	877
Total	1,647
Ground squirrels trapped	3
Gophers trapped	18
Rats examined bacteriologically	1,458
Plague rats	0
Ground squirrels examined bacteriologically	3
Plague squirrels	0
Gophers examined bacteriologically	18
Plague gophers	0
Buildings condemned	9
Poisons placed	20.921

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OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended May 1, 1909.

Dead inspected	15
Plague	0
Necropsies held	1
Premises inspected	943
Nuisances abated	234
Premises cleaned	189
Garbage cans installed	253
Rats found dead	13
Rats trapped	603
Rats identified	664
Mus norvegicus	607
Mus rattus	5
Mus musculus	48
Mus alexandrinus	4
Rats examined bacteriologically	601
Plague rats	0
Mice examined bacteriologically	48
Plague mice	0
Poisons placed	37,500

POINT RICHMOND, CAL.

Week ended May 1.

Premises inspected	490
Nuisances abated	35
Rats found dead	14
Rats trapped	23
Rats examined bacteriologically	23
Plague rats	0
Poisons placed	7,000

ALAMEDA COUNTY, CAL.

Week ended May 1.

Dead inspected	44
Plague	0
Necropsies held	2

CONTRA COSTA COUNTY, CAL.

Week ended May 1.

Dead inspected	1
Plague	0
Ground squirrels shot	52
Ground squirrels examined bacteriologically	52
Plague squirrels	0
Rabbits trapped	1
Rabbits examined bacteriologically	1
Plague rabbits	0
Ranches inspected	25
Ranches found free of ground squirrels	10

Campaign against ground squirrels in Contra Costa County. Cal.

The following is received from Doctor Blue under date of May 10:

About April 20, 1909, a central headquarters for the campaign against ground squirrels in Contra Costa County was established at Alamo, Cal., and 5 men were placed on duty under the supervision of Passed Asst. Surg. W. C. Rucker.

The campaign will consist in shooting, trapping, and poisoning. For the latter purpose small gas machines will be used for sulphur

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and carbon bisulphide asphyxiation. More men will be added to the above force as fast as accommodations can be secured.

On being notified of the proposed campaign the supervisors of Contra Costa County passed the inclosed resolution.

A copy is also inclosed of a state law which was enacted at the last session of the legislature against the harboring of ground squirrels and other rodents throughout the State.

[Inclosures.]

No. 1.

[Extract from the proceedings of the board of supervisors of Contra Costa County, State of California, Thursday, May 6, 1909.]

Whereas the Federal Government has made a small appropriation for the purpose of the eradication of ground squirrels throughout the county of Contra Costa; and

Whereas Passed Asst. Surg. W. C. Rucker has been assigned by Doctor Blue, passed assistant surgeon, commanding, to conduct such campaign: Therefore be it

Resolved, That said Dr. W. C. Rucker be, and is hereby, appointed a squirrel inspector of this board for the purpose of carrying on a campaign to eradicate and destroy the ground squirrels in Contra Costa County; and be it further

Resolved, That the board of supervisors of Contra Costa County urgently recommends and requests that the farmers and citizens of Contra Costa County lend him every assistance in their power to eradicate said ground squirrels.

The foregoing resolution was passed by the unanimous vote of the board.

No. 2.

An act declaring property infested with certain rodents to be a public nuisance; requiring owners, occupants, and persons having possession of or dominion over such property to endeavor to exterminate and destroy such rodents; providing for the inspection of property by boards of health and health officers; authorizing boards of supervisors and other governing bodies to purchase materials and employ inspectors to prosecute such work of extermination; authorizing state and local health authorities to prosecute such work in certain cases; providing for the payment of the expense thereof; making the amount of such expense a lien on the property; providing for the collection of such amount by foreclosure of such lien; and declaring any violation of the provisions thereof to be a misdemeanor.

The people of the State of California, represented in senate and assembly, do enact as follows:

SECTION 1. It shall be and is hereby declared to be the duty of every person, firm, copartnership, company, and corporation owning, leasing, occupying, possessing, or having charge of or dominion over, any land, place, building, structure, wharf, pier, dock, vessel, or water craft, which is infested with rats, mice, gophers, or ground squirrels, or as soon as the presence of the same shall come to his, their, or its knowledge, at once to proceed and to continue in good faith to endeavor to exterminate and destroy such rodents, by poisoning, trapping, and other appropriate means.

SEC. 2. The State board of health and inspectors appointed by such board, and local health officers and inspectors appointed for the purpose, as hereinafter provided, shall have authority, and shall be permitted to enter into and upon any and all lands, places, buildings, structures, wharves, piers, docks, vessels, and water craft, for the purpose of ascertaining whether the same are infested with such rodents and whether the requirements of this act as to the extermination and destruction thereof are being complied with: *Provided, however*, That no building occupied as a dwelling, hotel, or rooming house, shall be entered for such purpose except between the hours of nine o'clock in the forenoon and five o'clock in the afternoon of any day.

SEC. 3. The board of supervisors of each county and the city council or other governing body of each city and county, city, and town, whenever it may by resolution determine that it is necessary for the preservation of the public health or to prevent the spread of contagious or infectious disease, communicable to mankind, or when such board shall so determine that it is necessary to prevent great and irreparable damage to crops or other property, may appropriate moneys for the purchase of, and may purchase, poison, traps, and other materials for the purpose of exterminating and destroying such rodents in such county, city and county, city or town, and may employ and pay inspectors, who shall have authority to and shall prosecute such work of extermination and destruction, under the direction of such board, or of the local health officer, or board of health, on both private and public property, in such county, city and county, city or town.

SEC. 4. Whenever any person, firm, copartnership, company, or corporation, owning, leasing, occupying, possessing, or having charge of or dominion over any land,

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place, building, structure, wharf, pier, dock, vessel, or water craft, which is infested with such rodents, shall fail, neglect, or refuse to proceed and to continue to endeavor to exterminate and destroy such rodents, as herein required, it shall be the duty of the state board of health, its inspectors and the local board of health and health officer, at once to cause such nuisance to be abated by exterminating and destroying such rodents. The expense thereof shall be a charge against the county, city and county, city or town, wherein the work is done, and the board of supervisors or other governing body shall allow and pay the same. Thereupon, the clerk of such board shall file in the office of the county recorder a notice of such payment, claiming a lien on such property for the amount of such payment. Any and all sums so paid by such county, city and county, city or town, shall be a lien on the property on which said nuisance shall have been abated, and may be recovered in an action against such property, which action to foreclose such lien shall be brought within ninety days after such payment, and be prosecuted by the district, city, or town attorney, in the name of such county, city and county, city or town, and for its benefit. When the property is sold, enough of the proceeds shall be paid into the treasury of such county, city and county, city or town to satisfy such lien and the costs, and the overplus, if any there be, shall be paid to the owner of the property, if known, and if not known shall be paid into court for the use of such owner when ascertained. When it appears from the complaint in such action that the property on which such lien is to be foreclosed is likely to be removed from the jurisdiction of the court, the court may appoint a receiver to take possession of the property and hold the same while the action may be pending or until the defendant shall execute and file a bond, with sufficient sureties, conditioned for the payment of any judgment that may be recovered against him in the action and all costs.

SEC. 5. Any violation of the provisions of this act shall be deemed a misdemeanor and shall be punishable as such.

Report from Los Angeles, Cal.—Case of leprosy.

Surgeon Brooks reports, May 4:

A case of leprosy has been found in a patient recently admitted to the Los Angeles County Hospital.

The patient is 55 years of age, a native of Italy. He has been a sailor for 19 years, and at one time was a plantation laborer in the Hawaiian Islands. He states that he has lived in this city for the last 6 years, usually working in restaurants or saloons, sweeping, dishwashing, etc. The thickened and furrowed condition of the forehead, lobes of the ears, hands, and especially the feet, are strongly indicative of leprosy. There is a superficial ulceration of both legs. Large numbers of acid-fast bacilli have been found in smears from the ulcers and in the secretions from the mouth and nostrils. There is a marked anaesthesia of the legs and the feet, and to a less degree in the arms. The patient believes that the disease appeared within the last two years. His last place of employment has been disinfected by the city health department, and he will be strictly isolated at the county hospital.

Reports from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, May 3:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended May 1, 1909.

Rats received	1,135
Rats necropsied	1,126
Plague rats found	0
Plague-infected rats to date	21

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Summary of plague laboratory work during the month of April, 1909.

Assistant Surgeon Chapin, plague laboratory, reports, May 5, through Passed Assistant Surgeon Glover:

During the month of April, 1909, 4,083 rats were delivered at the laboratory and 4,004 were necropsied. No plague-infected rats were found. Two hundred and thirty-seven fleas were found upon 32 rats examined. Twenty-six rats were subjected to cultural and inoculation tests on account of lesions suggesting a remote possibility of an incipient or a typical plague infection, but with negative results.

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*San Diego.*—Month of April, 1909. Estimated population, 42,500. Total number of deaths, 48, including 4 from tuberculosis. Cases: Measles 3, and scarlet fever 2.

City and county of San Francisco.—Month of March, 1909. Estimated population, 475,000. Total number of deaths, 579, including enteric fever 6, measles 11, scarlet fever 3, whooping cough 2, diphtheria 4, and 100 from tuberculosis. Cases: Diphtheria 65, scarlet fever 66, smallpox 3, measles 368, whooping cough 37, enteric fever 21, and tuberculosis 186.

FLORIDA—*Pensacola.*—Month of April, 1909. Estimated population, 30,000. Total number of deaths, 22, including enteric fever 1, and 3 from tuberculosis.

ILLINOIS—*Alton.*—Month of April, 1909. Estimated population, 22,000. Total number of deaths, 14, including 1 from enteric fever. Cases: Diphtheria 1, and smallpox 2.

Peoria.—Month of April, 1909. Estimated population, 80,000. Total number of deaths not reported. Deaths reported from contagious diseases were: Scarlet fever 1, diphtheria 2, measles 3, whooping cough 1, and 8 from tuberculosis. Cases: Smallpox 44, and scarlet fever 6.

IOWA—*Ottumwa.*—Month of April, 1909. Estimated population, 25,000. Total number of deaths, 30; cause of deaths not reported. Cases: Measles 3, whooping cough 4, and tuberculosis 3.

KANSAS.—Month of February, 1909. Estimated population, 1,470,495. Total number of deaths from contagious and infectious diseases, 115. Causes of death: Tuberculosis 82, enteric fever 11, diphtheria 11, scarlet fever 7, and 4 from measles. Cases: Tuberculosis 134, enteric fever 35, diphtheria 82, scarlet fever 186, smallpox 358, and measles 562.

LOUISIANA—*New Orleans.*—Month of April, 1909. Estimated population, 362,000 (white, 265,000; colored, 97,000). Total number of deaths, 534 (white, 321; colored, 213), including enteric fever 5, scarlet fever 9, diphtheria 3, whooping cough 4, and 74 from tuber-

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culosis. Annual death rate per 1,000 for the month: White, 14.53; colored, 26.35. Total white and colored, 17.68.

NEW YORK STATE.—Month of March, 1909. Estimated population, 8,699,643. Total number of deaths, 13,111, corresponding to an annual death rate of 18.1 per 1,000 of population, including enteric fever 77, smallpox 1, measles 140, scarlet fever 147, whooping cough 65, diphtheria 246, and 1,553 from tuberculosis. Cases: Tuberculosis 3,097, diphtheria 2,118, scarlet fever 3,175, measles 6,870, smallpox 32, and enteric fever 389.

Auburn.—Month of April, 1909. Estimated population, 40,000. Total number of deaths, 45, including whooping cough 1, and 5 from tuberculosis. Cases of contagious diseases reported: Diphtheria 2, enteric fever 1, scarlet fever 1, whooping cough 5, phthisis pulmonalis 5.

Buffalo.—Month of April, 1909. Estimated population, 415,532. Total number of deaths, 477, including diphtheria 6, scarlet fever 13, enteric fever 5, and 57 from tuberculosis. Cases: Enteric fever 11, scarlet fever 343, diphtheria 41, measles 40, whooping cough 26, and tuberculosis 80.

Rome.—Month of April, 1909. Estimated population, 18,500. Total number of deaths, 55, including diphtheria 2, and 8 from tuberculosis. Cases: Scarlet fever 2, diphtheria 13, enteric fever 1, whooping cough 7.

NORTH CAROLINA—*Charlotte.*—Month of April, 1909. Estimated population, 40,000. Total number of deaths, 42, including whooping cough 1, measles 2, and 5 from tuberculosis. Cases of contagious diseases reported: Measles 76, and whooping cough 4.

OHIO—*Toledo.*—Month of March, 1909. Estimated population, 195,888. Total number of deaths, 169, including diphtheria 2, enteric fever 4, scarlet fever 1, and 20 from tuberculosis. Cases of contagious diseases reported: Diphtheria 16, measles 14, scarlet fever 18, enteric fever 40, and tuberculosis 2.

OREGON—*Portland.*—Month of March, 1909. Estimated population, 255,000. Total number of deaths, 169, including diphtheria 1, whooping cough 1, enteric fever 1, and 18 from tuberculosis. Cases: Diphtheria 17, measles 231, whooping cough 5, scarlet fever 53, smallpox 9, and enteric fever 10.

UTAH—*Salt Lake City.*—Month of April, 1909. Estimated population, 85,000. Total number of deaths from all causes, 123, including diphtheria 2, scarlet fever 9, enteric fever 2, and 9 from tuberculosis. Cases: Diphtheria 25, whooping cough 38, measles 10, smallpox 37, scarlet fever 83, and tuberculosis 1.

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Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to May 21, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Autauga County	Feb. 27–Apr. 5	11		
Prattville	Feb. 27–Apr. 5	3		
Dallas County	Feb. 20–Apr. 12	12		
Selma	Feb. 28–Apr. 12	26		
Jefferson County—				
Birmingham	Mar. 1–31	10		
Mobile County—				
Mobile	Jan. 12–Apr. 17	8		
Montgomery County—				
Montgomery	Mar. 13–Apr. 2		2	
Tuscaloosa County				86 cases year 1908.
Total for State		70	2	
Arkansas:				
Allbrook	Jan. 1–Mar. 25	40		
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		148		
California, general	Nov. 1–Mar. 31		5	
Berkeley	Apr. 18–24	1		
Los Angeles	Dec. 6–May 8	20	1	
Oakland	Nov. 1–Apr. 26	18		
Sacramento	Nov. 1–May 8	60		
San Francisco	Dec. 13–May 8	32		
Stockton	Nov. 1–May 1	13		
Total for State		144	6	
Colorado, general	July 1–Feb. 23	109		
District of Columbia:				
Washington	Dec. 28–Apr. 17	11		
Total for District		11		
Georgia:				
Bibb County—				
Macon	Mar. 14–May 2	25		
Cobb County	Jan. 16–Feb. 7	8		
Paulding County	Jan. 16–Feb. 7	15		
Total for State		48		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Mar. 31	233		
Delta	Feb. 1–28	40		
Fayville	Feb. 1–28			Present.
Thebes	Jan. 1–Feb. 28	6		
Bureau County—				
Ladd	Nov. 1–30	4		
Carroll County—				
Savanna	Feb. 1–Mar. 31	3		
Cass County	Feb. 1–Mar. 31	4		
Champaign County	Mar. 1–31	1		
Christian County—				
Edinburg	Feb. 1–Mar. 28	27		
Taylorville	Aug. 1–Mar. 31	55		
Clinton County—				
Boulder	Feb. 1–28	1		
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–May 8	11		
Fayette County	Mar. 1–31	3		
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Fulton County—				
Canton	Jan. 1–Feb. 28	55		
Cuba	Jan. 1–31	1		
Farmington	Mar. 1–31	25		
Lewiston	Jan. 1–Mar. 31	26		
Norris	Feb. 1–Mar. 31	19		
Jackson County	Feb. 1–21	2		
Murphysboro	Jan. 1–Mar. 31	70	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–Mar. 31	2		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–May 8	10		
Lake County	Mar. 1–31	1		
Waukegan	Feb. 2–26	3		
Livingston County	Feb. 1–28	3		
McLean County—				
Bloomington	Jan. 1–Mar. 31	14		
Macon County	Feb. 1–Mar. 31	7		
Decatur	Jan. 1–Mar. 31	20		
Macoupin County		21		
Benld	Feb. 15–18	2		
Palmyra	Dec. 25–Jan. 20	4		
Scottsville	Dec. 25–Jan. 20	12		
Madison County—				
Alton	Mar. 1–Apr. 30	3		
Marion County—				
Centralia	July 1–Jan. 20	53		
Kinmundy	Mar. 1–31	2		And vicinity.
Odin	Jan. 1–31	1		
Sandoval	Jan. 1–Mar. 31	3		
Mason County	Jan. 1–Mar. 31	12		Present in Bath, Havana, and Quiver townships.
Massac County—				
Metropolis	Jan. 1–Mar. 31	6		
Mercer County	Jan. 1–31	1		In North Henderson township.
Montgomery County	Jan. 1–31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5–11	1		
Peoria County—				
Elmwood	Mar. 1–31	2		
Peoria	Dec. 20–Apr. 30	77		Present in Glasford and in Timber and Trivoli townships.
Pope County—				
Eddyville	Feb. 1–28			Present in vicinity.
Pulaski County	Jan. 1–31			Present in Pulaski.
Mounds	Jan. 1–Mar. 31	18		
Mound City	Jan. 1–31	7		Feb. 28, still present.
Randolph County—				
Percy	Jan. 1–Mar. 31	40		
Preston	Mar. 1–31	6		
St. Clair County	Feb. 1–Mar. 31	16		
Belleville	Dec. 4–Feb. 28	15		
Mascoutah	Jan. 1–31	1		
Millstadt	Jan. 1–Feb. 28	2		
Saline County—				
Eldorado	Jan. 1–Feb. 28	4		
Harrisburg	Mar. 1–31	8		
Sangamon County—				
Pawnee	Jan. 1–31	2		
Springfield	Mar. 20–May 14	21		
Schuyler County—				
Browning	Oct. 12–Jan. 20	75		
Stevenson County—				
Freeport	Feb. 1–28	9		
Tazewell County	Jan. 1–Mar. 31			Present in Elm Grove, Green Valley and Groveland townships.
Pekin	Jan. 1–Mar. 31	53		
Washington	Mar. 1–31	1		
Vermilion County—				
Danville	Jan. 11–May 9	74		
Rankin	Feb. 1–28	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Williamson County—				
Bush	Mar. 1-31	6		
Carterville	Jan. 1-Mar. 31	17		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-Mar. 31	19		
Woodford County—				
Roanoke	Mar. 1-31	3		
Total for State		1,275	1	
Indiana:				
Allen County	Dec. 1-31	1		
Fort Wayne	Jan. 10-Apr. 24	7		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Dec. 31	4		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-31	26		
Clay County	Oct. 1-31	8		
Dearborn County	Oct. 1-31	1		
Delaware County	Dec. 1-31	52		
Muncie	Mar. 27	1		
Elkhart County	Oct. 1-Nov. 30	7		
Elkhart	Jan. 17-Mar. 6	8		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-31	1		
Grant County	Dec. 1-31	2		
Union	Feb. 6	5		
Hamilton County	Dec. 1-31	1		
Harrison County	Dec. 1-31	1		
Hendricks County	Nov. 1-Dec. 31	5		
Madison County	Oct. 1-31	1		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-May 9	9		
Miami County	Dec. 1-31	1		
Rush County	Dec. 1-31	24		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-31	1		
St. Joseph County	Dec. 1-31	12		
South Bend	Mar. 23-May 8	7		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Dec. 31	77		
Lafayette	Dec. 15-May 3	66	1	
Tipton County	Nov. 1-Dec. 31	2		
Vanderburg County—				
Evansville	Jan. 10-Feb. 20	10		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-31	7		
Wayne County	Nov. 1-30	8		
Total for State		375	1	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Cedar Rapids	Mar. 1-May 1	15		
Council Bluffs	July 1-May 10	35	2	
Davenport	Apr. 12-18	1		
Dubuque	Oct. 1-Jan. 31	87	1	
New Hampton	Feb. 26	8		
Sioux City	Apr. 1-30	1		
Total for State		148	5	
Kansas:				
Allen County	Jan. 1-Mar. 31	11		
Atchison County	Mar. 1-31	9		
Atchison	Dec. 20-Mar. 31	6		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Mar. 31	56		
Butler County	Feb. 1-Mar. 31	7		
Chautauqua County	Feb. 1-Mar. 31	19		
Cherokee County	Jan. 1-Mar. 31	30		
Clark County	Mar. 1-31	5		
Crawford County	Jan. 1-Mar. 31	9		
Pittsburg	Nov. 1-Mar. 31	130		
Decatur County	Jan. 1-Mar. 31	12		
Doniphan County	Mar. 1-31	15		
Douglas County	Mar. 1-31	3		
Finney County	Feb. 1-28	2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Ford County	Jan. 1–Mar. 31	4		
Franklin County	Dec. 1–Mar. 31	4		
Greenwood	Feb. 1–Mar. 31	24		
Harvey County	Nov. 1–Mar. 31	6		
Jackson County	Nov. 1–Mar. 31	106		
Jefferson County	Dec. 1–Mar. 31	23		
Jewell County	Dec. 1–Mar. 31	30		
Labette County—				
Parsons	Jan. 1–Mar. 31	11		
Lane County	Jan. 1–31	4		
Lincoln County	Mar. 1–31	1		
Lyon County	Feb. 1–28	8		
McPherson County	Jan. 1–31	1		
Marion County	Mar. 1–31	1		
Marshall County	Jan. 1–Mar. 31	4		
Mitchell County	Feb. 1–28	2		
Montgomery County	Nov. 1–Mar. 31	20		
Nemaha County	Dec. 1–Feb. 28	3		
Ness County	Mar. 1–31	5		
Osage County	Feb. 1–Mar. 31	39		
Osborne County	Mar. 1–31	4		
Phillips County	Dec. 1–Mar. 31	9		
Pottawatomie County	Nov. 1–Mar. 31	70		
Pratt County	Dec. 1–31	20		
Rawlins County	Mar. 1–31	20		
Reno County	Nov. 1–Jan. 31	4	1	
Republic County	Mar. 1–31	3		
Riley County	Nov. 1–30	2		
Rooks County	Jan. 1–31	3		
Saline County	Nov. 1–Mar. 31	57		
Sedgwick County	Feb. 1–Mar. 31	9		
Wichita	Mar. 7–May 8	17		
Shawnee County	Nov. 1–Mar. 31	120		
Topeka	June 7–Apr. 3	128		
Sheridan County	Dec. 1–Jan. 31	11		
Smith County	Feb. 1–Mar. 31	8		
Stafford County	Dec. 1–31	1		
Sumner County	Nov. 1–Mar. 31	11		
Thomas County	Jan. 1–31	2		
Wallace County	Jan. 1–31	2		
Wabaunsee County	Jan. 1–Mar. 31	8		
Wilson County	Nov. 1–30	5		
Wyandotte County—				
Kansas City	Jan. 3–May 8	50		
Total for State		1,191	1	
Kentucky:				
Anderson County	Oct. 1–Jan. 20	200	1	Including Lawrenceburg.
Berea	Feb. 1–Apr. 2	20		
Covington	Dec. 29–Apr. 24	34		
Fulton	Feb. 1–Mar. 22	27		
Georgetown	Dec. 2–Mar. 4	31		
Henderson		7		Jan. 1–June 30, 1908.
Lexington	Dec. 28–May 8	46		
Newport	July 1–May 8	71	1	Jan. 1–June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24–Apr. 3	44		
Total for State		480	2	
Louisiana:				
Alexandria	Feb. 1–28	9		
Arcadia Parish	Dec. 20–Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20–May 1	44		Mainly imported.
Shreveport	Jan. 1–20	32	1	
Winnfield	Jan. 1–Mar. 24	33		And vicinity.
Total for State		148	1	
Maine:				
Cyr plantation	Oct. 16–24	11		
Frenchville	Nov. 11–Dec. 5	2		
Grand Isle (Grant Isle)	Oct 16–Dec. 12	26		
St. Agatha	Oct. 24–Dec. 26	9		
St. David	Dec. 13–19	1		
Upper Frenchville	Oct. 25–Nov. 11	2		
Van Buren	Oct. 18–Feb. 6	94		
Total for State		145		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Maryland				
Baltimore	Mar. 18 to 21	10		House of Correction, Bridewell.
	Jan. 30–Feb. 6	1		
Total for State		11		
Massachusetts:				
Boston	Mar. 14–20	2		
Haverhill	Mar. 14–20	1		
Lawrence	Mar. 7–13	1		
New Bedford	Jan. 30–Mar. 13	3	1	
Total for State		7	1	
Michigan:				
Barry County	Nov. 1–Dec. 31	5		
Cheboygan County	Dec. 1–31	4		
Delta County	Nov. 1–30	1		
Eaton County	Dec. 1–31	1		
Ingham County—				
Lansing	Nov. 1–Dec. 31	11		
Ionia County	Dec. 1–31	2		
Kalamazoo County	Dec. 1–31	3		
Kent County—				
Grand Rapids	Jan. 24–Apr. 24	3		
Lapeer County	Dec. 1–31	2		
Macomb County	Nov. 1–30	1		
Manistee County	Nov. 1–30	2		
Menominee County	Dec. 1–31	1		
Muskegon County	Nov. 1–Dec 31	19		
Saginaw County—				
Saginaw	Jan. 16–May 8	20		
St. Clair County	Nov. 1–Dec. 31	2		
Port Huron	Nov. 1–Dec. 5	3		
Wayne County—				
Detroit	Jan. 10–Mar. 27	7		
Wexford County	Dec. 1–31	2		
Total for State		89		
Minnesota:				
Becker County	Dec. 7–13	1		
Benton County	Oct. 26–Nov. 2	1		
Brown County	Oct. 30–Nov. 23	11		
Carver County	Dec. 7–13	6		
Cass County	Oct. 12–Dec. 7	1		
Chippewa County	Nov. 3–9	1		
Cottonwood County	Oct. 20–26	1		
Dodge County	Nov. 24–Dec. 7	2		
Faribault County	Dec. 7–13	1		
Hennepin County	Oct. 6–12	1		
Minneapolis	Nov. 1–Apr. 24	100		
Hubbard County	Oct. 19–Dec. 7	11		
Jackson County	Dec. 7–13	1		
Lac qui Parle County	Nov. 2–Dec. 13	3		
Lyon County	Nov. 16–Dec. 13	2		
Morrison County	Nov. 20–Dec. 13	20		
Nicollet County	Nov. 16–Dec. 13	3		
Norman County	Dec. 7–13	5		
Pipestone County	Dec. 7–13	6		
Ramsey County	Nov. 16–Dec. 7	2		
St. Paul	Nov. 1–Mar. 31	200		
Renville County	Dec. 1–7	1		
St. Louis County—				
Duluth	Nov. 9–May 13	27		
Sibley County	Dec. 7–13	9		
Stearns County	Nov. 9–Dec. 7	4		
Steele County	Oct. 20–Dec. 7	4		
Stevens County	Nov. 9–Dec. 13	12		
Todd County	Nov. 9–Dec. 13	3		
Wabasha County	Nov. 2–Dec. 7	10		
Wadena County	Nov. 2–Dec. 13	15		
Waseka County	Oct. 26–Dec. 7	9		
Washington County	Nov. 24–31	1		
Stillwater	Dec. 1–31	3		
Winona County	Dec. 1–7	1		
Winona	Dec. 1–Feb. 28	8		
Yellow Medicine County	Oct. 20–26	1		
Total for State		487		
Mississippi:				
De Soto County	Nov. 1–Dec. 22	135		
Total for State		135		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Missouri:				
Kansas City	Jan. 24-May 8	22		
Kirksville	Nov. 1-Jan. 31	96		
Liberty	Jan. 15-Mar. 11	20		
Rich Hill	Dec. 5-31	4		
St. Joseph	Dec. 1-Apr. 3	2		
St. Louis	Dec. 20-May 8	31		
Springfield	Nov. 1-Feb. 28	3		
Total for State		178		
Montana:				
Beaverhead County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cascade County	Nov. 1-Mar. 31	14		
Great Falls	Apr. 25-May 1	1		
Chouteau County	Jan. 1-Feb. 28	4		
Dawson County	Dec. 31-Mar. 31	21		
Fergus County	Dec. 31-Mar. 31	35		
Flathead County	Nov. 1-30	1		
Gallatin County	Nov. 1-Mar. 31	26		
Bozeman	Nov. 1-Mar. 31	19	1	
Granite County	Jan. 1-Mar. 31	7		
Jefferson County	Nov. 1-30	4		
Lewis and Clark County	Mar. 1-31	1		
Madison County	Dec. 1-31	2		
Meagher County	Mar. 1-31	1		
Missoula County	Jan. 1-31	12		
Missoula	Jan. 1-Feb. 28	5	1	
Park County	Jan. 1-Mar. 31	17		
Powell County	Jan. 1-Feb. 28	15		
Ravalli County	Nov. 1-Mar. 31	19		
Sanders County	Jan. 1-Feb. 28	11		
Silverbow County	Nov. 1-Mar. 31	20	1	
Butte	Mar. 16-May 4	45		
Yellowstone County	Nov. 1-30	1		
Billings	Jan. 1-Mar. 31	2		
Total for State		286	3	
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1-Mar. 31	22		
Polk	Mar. 20-Apr. 23	14		And vicinity.
South Omaha	Dec. 20-Apr. 10	15		
Total for State		52		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
West Lebanon	Jan. 15-Feb. 7	2		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21-May 8	16		
Haddonfield	Mar. 26-27	2		
Hightstown	Mar. 3	1		
Lodi	Apr. 15	1		
New Brunswick	Mar. 7-Apr. 5	7		
Paterson	Mar 16-Apr. 2	8		
Perth Amboy	Mar. 4-31	26		
Plainfield	Mar. 7-Apr. 10	6		
Trenton	Apr. 25-May 1	2	1	
Woodbridge	Mar. 6-26	1		
Total for State		70	1	
New York, general	Nov. 1-Mar. 31	232	2	Including Amsterdam, Bridgeport, Broome, Cicero, Gardiner, and Middleburg.
Buffalo	Feb. 14-Mar. 20	4		
Little Falls	Apr. 10-May 8	4		
Mohawk Valley			1	Year 1908.
New York	Feb. 21-Apr. 3	6	1	
Niagara Falls	Feb. 7-May 1	2		
Rome	Jan. 1-31	1		
Schenectady	Feb. 7-13	1		
Syracuse	Jan. 9-31	3		
Total for State		253	4	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina:				
Ashe County	Jan. 1-31	7		
Bertie County	Nov. 1-30	1		
Camden County	Jan. 1-31	30		
Catawba County	Nov. 1-Dec. 31	4		
Currituck County	Nov. 1-Jan. 31	34		
Duplin County	Dec. 1-Jan. 31	60		
Edgecombe County	Dec. 1-31	1		
Johnston County	Nov. 1-Jan. 31	13		
Jones County	Jan. 1-31	3		
Lenoir County	Dec. 1-31	20		
Lincoln County	Dec. 1-31	1		
Madison County	Jan. 1-31	2		
Mecklenberg County— Charlotte	May 8-14	1		
Nash County	Jan. 1-31	1		
New Hanover County— Wilmington	Jan. 22-Mar. 1	4		Imported.
Pasquotank County	Nov. 1-Jan. 31	79		
Pitt County	Jan. 1-31	2		
Sampson County	Jan. 1-31	22		
Scotland County	Jan. 1-31	6		
Wayne County	Jan. 1-31	20		
Total for State		311		
North Dakota	July 1-Feb. 19	168		
Ward County	Jan. 12-Mar. 31	27		
Sherwood	Jan. 12-Mar. 31	46		
Total for State		241		
Ohio, general	June 14-Jan. 2	337		
Ashtabula	Apr. 11-May 8	11		
Cincinnati	Dec. 12-May 14	250	1	
Cleveland	Feb. 28-Apr. 30	6		
Columbus	Dec. 26-May 8	17		Revised. 3 cases additional in Sept. and Oct.
Conneaut	Mar. 1-Apr. 29	3		
Dayton	Jan. 24-Feb. 20	5		
Newark		3		Year 1908.
Tiffin	Jan. 3-23	2		
Total for State		634	1	
Oregon:				
Clackamas County	Sept. 1-30	1		
Harney County	Sept. 1-30	1		
Jackson County	Oct. 1-Dec. 31	9		
Lane County	Dec. 1-31	10		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Dec. 31	4		
Multnomah County	Dec. 1-31	5		
Portland	Nov. 1-Feb. 28	91		
Polk County	Sept. 1-Dec. 31	9		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-Dec. 31	6		
Wallowa County	Oct. 1-31	1		
Washington County	Oct. 1-Dec. 31	23		
Yamhill County	Sept. 1-Dec. 31	17		
Total for State		183		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Castle	Feb. 1-28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 10-25	1		
Pittsburg	Dec. 13-19	1		Imported.
Prompton	Jan. 2-Feb. 10	3		
Total for State		11		
South Carolina:				
Winnsboro	Feb. 1-28	5		
Yorkville	Mar. 10-Apr. 26	14	8	And vicinity.
Total for State		19	8	
South Dakota:				
Aberdeen	May 1-Jan. 31	43		
Total for State		43		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Tennessee:				
Fayette County	Dec. 1–Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28–May 1	38		
Memphis	Jan. 1–Mar. 13	190	1	
Murfreesboro	Mar. 15–31	1		
Nashville	Dec. 20–May 8	46		
Polk County	Jan. 22	30		
Total for State		608	1	
Texas:				
Corpus Christi	Apr. 2			Present.
Cost	Oct. 1–Dec. 19			Do.
Cotulla	Jan. 25–Feb. 17			Do.
Denton County	Jan. 1–Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10–Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1–Mar. 31	13		
Galveston	Mar. 6–Apr. 16	8		
Goliad County	Dec. 1–Jan. 20	25		
Hidalgo County	Jan. 30–May 1	16		
Houston	Jan. 1–Mar. 27	9		
Laredo	Dec. 26–Mar. 19	6		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–May 1	94		
San Augustine County	Jan. 5			Do.
Total for State		456	1	
Utah:				
Beaver County	Feb. 1–28	2		
Carbon County	Feb. 1–28	1		
Cache County	Jan. 1–Mar. 31	69		
Davis County	Nov. 1–Mar. 31	38		
Emery County	Feb. 1–28	4		
Garfield County	Dec. 1–Mar. 31	44		
Millard County	Jan. 1–Mar. 31	9		
Salt Lake County	Dec. 1–Mar. 31	170		
Salt Lake City	Dec. 1–Apr. 30	371	1	
Sanpete County	Dec. 1–Mar. 31	3		
Sevier County	Jan. 1–Mar. 31	88		
Summit County	Dec. 1–Feb. 28	32		
Utah County	Dec. 1–Mar. 31	2		
Weber County	Nov. 1–Feb. 28	18		
Total for State		851	1	
Vermont:				
Brattleboro	Dec. 5–Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor Township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lithia	Mar. 1–Apr. 28	100		And vicinity.
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Portsmouth	Apr. 21–27	1		
Richmond	Mar. 14–May 1	3	1	Death in county hospital.
Total for State		114	1	
Washington:				
Bellingham	Jan. 25–Mar. 23	10		
Camas	Dec. 29–Mar. 8	18		
Seattle	Oct. 1–Mar. 31	22		
Spokane	Dec. 6–May 1	31	1	
Tacoma	Dec. 14–Apr. 4	69		
Total for State		150	1	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville				Present in January.
St. Albans	Feb. 16–Apr. 12	19		
Weston	Jan. 15–Feb. 13	1		
Total for State		21		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin:				
Adams County	July 1–Sept. 30	3		
Barron County	July 1–Sept. 30	1		
Chippewa County	July 1–Sept. 30	6		
Dane County	July 1–Sept. 30	1		
Dodge County	July 1–Sept. 30	1		
Douglas County	July 1–Sept. 30	28		
Superior	Apr. 25–May 1	3		
Dunn County	July 1–Sept. 30	1		
Fond du Lac County	July 1–Sept. 30	3		
Green County	July 1–Sept. 30	2		
Iron County	July 1–Sept. 30	2		
Kewaunee County	July 1–Sept. 30	1		
La Crosse County—				
La Crosse	Dec. 13–May 8	50		
Manitowoc County—				
Manitowoc	Dec. 13–Feb. 27	14		
Marathon County	July 1–Sept. 30	2		
Milwaukee County—				
Milwaukee	Dec. 6–May 8	194		
Monroe County	July 1–Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6–Apr. 17	3		
Ozaukee County	July 1–Sept. 30	3		
Pierce County	July 1–Sept. 30	4		
Polk County	July 1–Sept. 30	1		
Racine County—				
Racine	Mar. 21–Apr. 10	6		
Rusk County	July 1–Sept. 30	3		
Sheboygan County	July 1–Sept. 30	32		
Total for State		376		
Grand total for the United States		9,960	42	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Allentown, Pa.	Apr 17	35,416	23					6		1					1
Do.	Apr. 24	35,416	17		3	3		7		5	1				
Do.	May 1	35,416	23	1	4	2		7	2	4					
Do.	May 8	35,416	18			3		7	1	3	2	2			
Altoona, Pa.	do	38,973	13			1		1			1				
Ashtabula, Ohio	Apr. 24	12,949	7												
Do.	May 8	12,949	7											1	1
Baltimore, Md.	do	508,957	209	14	27	4	2	7		12	1	144	7	10	1
Bayonne, N. J.	do	32,722			1					1		2			
Beaver Falls, Pa.	do	13,000										1			
Biddeford, Me.	do	16,145	5	2	2										
Binghamton, N. Y.	do	38,647	21												
Boston, Mass.	do	560,892	237	79	28	10	1	28	2	51	4	88	4	5	2
Braddock, Pa.	do	15,654	9			2	1	1		3					
Bradford, Pa.	do	15,029	2			1		1							
Bridgeport, Conn.	May 1	70,996	33	6	9	1		4	1	7	2	13			
Do.	May 8	70,996	29	2	5					5		11			
Brockton, Mass.	do	40,063	12	1		1		1		2		20		1	
Butler, Pa.	May 5	10,853	6		2	1									
Butte, Mont.	Apr. 27	30,470	8		1			5		5					
Do.	May 4	30,470	10		2	3	2	7		3	1				2
Cambridge, Mass.	May 8	91,886	30	9	8		1	17		4		19		8	
Camden, N. J.	do	75,935	32	1				11		7	1				
Camden, S. C.	do	2,441	3				1								
Carbondale, Pa.	do	13,536	3												
Charlotte, N. C.	May 7	18,091	16					1				6	2		
Chelsea, Mass.	May 8	34,072	6		2					2		1			

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Chicago, Ill	May 8	1,698,575	675	64	88	15	2	101	7	89	13	406	5	31	3
Chicopee, Mass	...do	19,167	7		2							3			
Cincinnati, Ohio	May 7	325,902	137	20	25	2	1	8		9	2	24		7	
Cleveland, Ohio	...do	381,768	155	15	15	5	1	11	1	12	1	115	2	26	2
Clinton, Mass	May 8	13,667	3												
Columbus, Ga	...do	17,614	8												
Columbus, Ohio	...do	125,560	30	17	7		1	1		2		32			
Concord, N. H	May 1	19,632	7							1		131	1		
Council Bluffs, Iowa[a]	Apr. 26	25,802	6									1			
Do	May 10	25,802				2		1							
Covington, Ky	May 8	42,938	21		6			1		5					
Danville, Ill	May 9	16,534	5					1		1					
Dayton, Ohio	May 8	85,333	40		7			6		1		36		1	
Detroit, Mich	...do	285,704	129					11	2	6					
Duluth, Minn	May 6	80,000	25					12		8	2	33			
Dunkirk, N. Y	May 8	11,616	4	2						1					
Elmira, N. Y	...do	35,672	15	1	1			7	2	1		20	1		
El Paso, Tex	May 11	15,905	28	1	3	2	2	1				3		7	
Elkhart, Ind	May 8	15,184	8	1	1	1	1	2				2			
Erie, Pa.[a]	Mar. 27	52,733	25	6	1			3		1		1		4	
Do	Apr. 30	52,733	15	1		1		1				91		21	
Do	May 8	52,733	28	2		2		2				116	4	22	1
Evansville, Ind	...do	59,007	16	3	1		1	1		2		1			
Everett, Mass	...do	24,336	5	1				4		1		3			1
Fall River, Mass	...do	104,863	31	12	2	5	1	4		2		1			
Findlay, Ohio	...do	17,613	4					1							
Galesburg, Ill	...do	18,607	9					1							
Galveston, Tex	May 7	37,789	14		1	3		2							
Glens Falls, N. Y	May 8	13,543	8		1							20			
Gloucester, Mass	May 1	26,121	6		1										
Do	May 8	26,121	1												
Grand Rapids, Mich	...do	87,565	28	2	2	1		14		1		5		4	
Great Falls, Mont	May 1	14,930	3					10				1			
Greensboro, N. C	May 8	10,035	9									1			
Greenville, S. C	May 1	11,860	3					1						2	
Do	May 8	11,860	4												
Hammond, Ind	...do	12,376	6		1			1				6			
Harrison, N. J	...do	10,596	3												
Haverhill, Mass	...do	37,175	15	3	1					6		2		1	
Homestead, Pa	May 7	12,554	10		1							17	1		
Hyde Park, Mass	May 8	13,244	3			1		1							
Indianapolis, Ind	May 9	169,164	70	3	18	1		3	1	3		53			
Jacksonville, Fla	May 8	28,429	21		5		2								
Jersey City, N. J	May 9	206,433	76		7			17		3	1	8		2	
Johnstown, Pa	May 8	35,936	9		2		1	11		3		7			
Kansas City, Kans	...do	51,418	16	1	4	3		1		4		24			
Kansas City, Mo	Apr. 24	163,752	72	7	9			12	3	3	1	13			
Do	May 1	163,752	55		5	2	1	11	2	3	1	18			
Do	May 8	163,752	59	2	7	3		16	2	5		37		1	
Kearny, N. J	...do	10,896	3	1	1					4					
Kingston, N. Y	...do	24,535	13		1						1				
Knoxville, Tenn	...do	32,637	17	2	2							10			
La Crosse, Wis	...do	28,895	7		1										
La Fayette, Ind	May 10	18,116	3									2			
Lawrence, Mass	May 8	62,559	20	6	1	2				1		24	1		
Lebanon, Pa	...do	17,628		1				2		2					
Lexington, Ky	...do	26,369	6											1	
Little Falls, N. Y	May 1	10,381		10				4							
Do	May 8	10,381	1	12	1			4							
Los Angeles, Cal	May 1	102,479	70	8	10	5		22	1	2		6			
Lowell, Mass	May 8	94,969	34	1	3	2		2	1	1		6			
Lynchburg, Va	...do	18,891						1				2		1	
Lynn, Mass	...do	68,513	28		7			1		4	1	2			
Malden, Mass	...do	33,664	11					3				3			
Manchester, N. H	...do	56,987	18			2		3		4	1	3			
Mansfield, Ohio	...do	17,650								1					
Marinette, Wis	...do	16,195	4							1					
Marlboro, Mass	May 1	13,609	4					2		1					
Massillon, Ohio	May 8	11,944	4		1			2							
Medford, Mass	...do	18,244	8	1				1							

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Melrose, Mass	May 1	12,962	4	1				1							
Do	May 8	12,962	2	2				2				3	1	6	
Mobile, Ala	May 1	38,469	21		5										
Do	May 8	38,469	13		1		1								
Montclair, N. J	do	13,962	8					1				4			
Montgomery, Ala	May 7	30,346	12		1										
Moline, Ill	May 9	17,248	7		1			2	1			1			
Morristown, N. J	May 8	13,000	3					1	1	1		42			
Mount Vernon, N. Y	do	21,228	9			1				1		6			
Muncie, Ind	do	20,942	8		1	1									
Nanticoke, Pa	May 9	12,616	8					1	1	4	2	29	1		
Nashville, Tenn	May 8	80,865	33	2	3		1	1		1					
Nebraska City, Nebr	do	7,200				1						7			
Newark, N. J	do	246,070	100		19	4		45	1	20	4		1		1
New Bedford, Mass	do	63,442	21	8	3	1		4	1	2	1	4			1
Newburyport, Mass	do	14,478	4			2									
New London, Conn	do	17,548	8			5				3		1			
New Orleans, La	do	278,104	115	20	22	7		75	4	4	1				
Newport, Ky	do	28,301	12		3			1							
Newton, Mass	do	33,587	11	1	2			2		2		22			
New York, N. Y	do	3,437,202	1,560	559	183	58	4	371	29	339	35	1,297	36	86	5
Niagara Falls, N. Y	do	19,457	10	1		5	2	2		1		1			
Norristown, Pa	do	22,265	5	2	1		1					6			
North Adams, Mass	do	24,200	12		1										
Northampton, Mass	do	18,643	10	1						2		12			
Oakland, Cal	May 3	66,960		1	3	1		3		4		2			
Orange, N. J	May 8	24,141	15	3	3	1		10							
Palmer, Mass	do	7,801	1		1	1		7							
Peekskill, N. Y	do	10,358	2		1							5			
Philadelphia, Pa	May 1	1,293,697	512	91	72	16	6	54	1	88	13	266	17	25	1
Do	May 8	1,293,697	510	92	75	25	5	77	3	80	9	306	7	16	1
Pittsburg, Pa	do	321,616	134	79	10	21	2	13	1	13	1	19		39	4
Pittsfield, Mass	do	21,766	6	2	3			1							
Plainfield, N. J	do	15,369	5	2		1						6			
Portsmouth, N. H	do	10,637										1			
Pottstown, Pa	do	13,696	4		1	3									
Providence, R. I	do	175,597	52	8	9	3		14	1	4		2			1
Racine, Wis	do	29,102	12					1							
Reading, Pa	May 10	78,961	31		1	3		3	1	3	2	1		1	
Richmond, Va	May 1	85,050	48	2	3	2		1		1					
Do	May 8	85,050	49	2	4	6		1		2					
Rock Island, Ill	do	19,493	8		1		1								
Sacramento, Cal	do	29,282	9		2			1							
Saginaw, Mich	May 1	42,345	23	2	2					1					
Do	May 8	42,345	10			1	1								
St. Joseph, Mo	Mar. 27	102,979	21		6			10		1		4			
Do	Apr. 3	102,979	24		3			4							
Do	Apr. 10	102,979	25		5							1			
Do	Apr. 17	102,979	14	4	2	2	1	1		1		3			
Do	Apr. 24	102,979	14		1		1	1		3		4			
Do	May 1	102,979	19		2		2	1				6			
Do	May 8	102,979	15					4		1		10			
St. Louis, Mo	do	575,238	210	34	29	4	2	22	2	31	5	520	5	3	
Salem, Mass	do	35,956	21	6	1	1		5		1				2	
San Francisco, Cal	May 1	342,782	113	29	17	4		14		17	1	34	1	15	1
Schenectady, N. Y	do	31,682	12	4	1			4				10			
Do	May 8	31,682	17	3	1			1	2	1		1			
Shamokin, Pa	do	18,202	7	1	1			1		2	1	18	1		
Somerville, Mass	do	61,643	18	7	1	3		10		6		16			
South Bend, Ind	do	35,999	15	3	1	1		6		2		1	1		
South Bethlehem, Pa	do	13,241	13	1				3				22		2	
Spokane, Wash	May 1	38,848	31		1			51	5	3		60			
Springfield, Ill	May 7	34,159	12												
Springfield, Mass	May 8	62,059	34	5	5							5		1	
Springfield, Ohio	do	38,253	9	2	1			1		1		9			
Steelton, Pa	do	12,068	3		1			1							
Superior, Wis	do	31,091	3					4	1						
Tacoma, Wash	May 2	37,714	22	1	3			4		2					
Taunton, Mass	May 8	31,036	16	1	1			3						2	1
Titusville, Pa	do	8,244	1					1				2			
Trenton, N. J	do	73,307		11	5	2	1	2		2					

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Walla Walla, Wash.	May 8	10,049	2			1		3							
Waltham, Mass.	do	23,481	4	1	1			1				17			
Warren, Pa.	Apr. 19	8,043	3		1							7			
Do	Apr. 26	8,043	1					1				7			
Do	May 3	8,043	4		1							4			
Do	May 10	8,043	2		1							9			
Washington, D. C.	May 8	278,718	141	19	22	2	2	13		6		81	2	11	
Weymouth, Mass.	do	11,324	1												
Wichita, Kans.	do	24,671						1				71			
Wilkes Barre, Pa.	May 7	51,721	21	6	3		1	1		3		106		1	
Wilkinsburg, Pa.	May 14	13,000	10	1	1			1							
Williamsport, Pa.	May 7	28,757	5			1		1							
Winona, Minn.	May 11	19,714	7												
Woburn, Mass.	May 8	14,254	5		1					1					
Worcester, Mass.	May 1	118,421	45	5	3			5		7		4		1	
Do	May 8	118,421	40	8	1			11	1	1		3			
Yonkers, N. Y.	May 6	47,931	19	3	1			16	1	9					
Do	May 13	47,931	18		1		1	16		5	2	8			
York, Pa.	May 8	33,708		8				3							
Zanesville, Ohio	do	23,538	6	1		13		1		4					

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FOREIGN AND INSULAR.

ARABIA.

Report from Maskat—Fatal plague case from steamship Agrica from the Persian Gulf.

Vice and Deputy Consul Fazel reports, April 19:

One case of plague was landed here from the British India Steam Navigation Company's steamship *Agrica* arriving here from the Persian Gulf April 14. The patient died April 16.

AUSTRALIA.

Examination of rodents for plague infection in Queensland—Plague infection found in rats at Mackay.

The following information is taken from plague bulletins received from the department of health of Queensland, under dates of March 20 and 27 and April 3 and 8:

Brisbane.—Week ended March 20. Rodents destroyed, 466; examined, 410; plague infected, 0. Week ended March 27. Rodents destroyed, 521; examined, 443; plague infected, 0. Week ended April 3. Rodents destroyed, 548; examined, 462; plague infected, 0. Week ended April 8. Rodents destroyed, 460; examined, 372; plague infected, 0.

Date of last plague-infected rat September 15, 1908.

Mackay.—Infected rats found: March 19, 8; March 23, 3.

Report from New Castle, New South Wales—Plague case imported from Sydney.

Consul Killmaster reports, April 16:

During the month of March, 1909, 1 case of bubonic plague was imported into the New Castle district from Sydney.

Plague in Sydney—Plague rats.

The following information is taken from the *Veröffentlichungen des Kaiserlichen Gesundheitsamtes*, April 28:

During the period from March 6 to 12, 4 plague cases occurred in Sydney, of which 1 ended fatally. Three of the cases occurred among the crew of a steamship which arrived March 6 from the New Hebrides. The fourth case was in a resident of the city. Plague rats were found in the residence of the latter case and also in the port.

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BARBADOS.

Report from Bridgetown—Inspection and fumigation of vessels—Smallpox on steamship Parima from Georgetown, British Guiana—Pernicious malarial fever on steamship Ecclesia from Brazil—Status of yellow fever—Mosquito destruction.

Acting Assistant Surgeon Urquhart reports, May 1:

Week ended May 1. Bills of health issued to 9 vessels having 32 passengers and 355 members of crews. Four vessels were fumigated.

One case of smallpox was taken off the steamship *Parima* from Georgetown, British Guiana, and placed in quarantine. The patient was a steward. All who could not show a good vaccination scar, with a recent history, were vaccinated by the port physician, with the exception of the captain, who refused to submit to vaccination. Notation to that effect was made upon bill of health and fumigation certificate. The living quarters of the ship were fumigated, and the bedding of the patient was burned, and his quarters were washed out with a solution of bichloride of mercury.

The steamship *Ecclesia* arrived here from Puerto Villa, on the Madeira River, Brazil, with 12 of the crew sick with malarial fever, pernicious form. Between Puerto Villa and Para, on the return voyage, 1 man died; and upon being removed to quarantine another died. The vessel was fumigated throughout, and hatches were recommended to be kept closed until just before arriving at Pensacola. The ship was in Madeira River water ballast, which was replaced with sea water upon leaving here; drinking water from condenser on board. The ship was compelled to lay to, so the captain reports, nearly a day, between here and Para, because all the crew were too sick to navigate the vessel. Twelve men were taken on here to replace those landed.

Four new cases of yellow fever were reported during the week. All of these cases occurred in the country, and all were among negroes. The warfare on the *Stegomyia calopus* is continued. The sanitary condition of this port is good.

BELGIUM.

Plague on steamship Rubens at Antwerp bacteriologically confirmed.

The following is received from the Belgian legation, through the Department of State:

May 3. An English vessel, the *Rubens*, which left San Nicolas, Argentine Republic, in cargo of grain, March 6, was held at Doel by the sanitary service April 11 as suspect.

There were 3 members of the crew, one of whom had been attacked by, and two were still suffering from, a disease which clinical examination has shown to be a mild form of bubonic plague (ambulatory plague).

The patients and the entire crew, numbering 300 persons, were immediately taken, the former to the lazaretto and the others to the sanitary station of Liefkenshoeck. The latter have remained five

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days under observation. After this detention they will be subjected to five days' further surveillance by the local administration. The patients will remain at the lazaretto until cured.

The crew have been inoculated with antiplague serum. The ship has been disinfected and deratized. Discharge of cargo will be done at the port of Antwerp by lighters.

One of the patients is recovering. The condition of the second is satisfactory.

May 12.—Bacteriological examination has confirmed the clinical diagnosis in the cases of plague taken from the steamship *Rubens*. One of the patients is cured. He will resume his service on board the *Rubens* at the time of its departure. The condition of the last case is very satisfactory. No other case has occurred. Measures of surveillance and observation have been rigorously observed. The unloading of the steamship is almost completed and the vessel will return to active sea service.

CHINA.

Report from Amoy—Inspection of vessel—Examination of emigrants—Vaccination—Leprosy, plague, and smallpox.

Passed Assistant Surgeon Foster reports, April 3:

Week ended April 3.

The British steamship *Taisang*, with 69 in the crew and 34 cabin and 212 steerage passengers for Manila, was granted a bill of health. All passengers were vaccinated and inspected prior to sailing. Two steerage passengers were rejected for trachoma and one was rejected for favus.

The following quarantinable diseases are present in Amoy: Plague, leprosy, and smallpox.

Plague is reported epidemic in Chang Chew, the first prefectural city 30 miles west of Amoy.

Report from Shanghai—Inspection of vessels—Examination of emigrants—Plague rats—Rat-proofing of houses.

Acting Assistant Surgeon Ransom reports, April 14:

Week ended April 10. Supplemental bills of health granted to 2 steamships with an aggregate personnel of 482. There were inspected 1 vessel, 45 members of crews, and 4 cabin and 16 steerage passengers. Fifty-four pieces of baggage were also inspected and 2 pieces disinfected. There were examined and passed for San Francisco, per steamship *Tenyo Maru*, 4 emigrants, and 1 intending emigrant was recommended to wait. Manifests were viséed for 1,370 pieces of freight, amounting to 188.13 tons.

There were examined last week 510 rats found dead in various parts of the settlement, 6 of which (4 from the eastern and 2 from the northern districts) were plague-infected. Rat traps in operation numbered 2,478, and there were caught and destroyed without examination 462 rats. Four hundred and seven native houses were temporarily rat-proofed.

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COSTA RICA.

Reports from Limon, fruit port.

Acting Assistant Surgeon Goodman reports:

Week ended April 30. Estimated population, 8,000. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 24	Abangarez	New Orleans	80	3	0
25	Esparta	Boston	44	1	0
26	Prinz Joachim	New York	138	187	0
26	Chickahominy	New Orleans	46	0	0
26	José	New York	32	1	6
27	Pacuare	do	52	2	0
27	Citta de Torino	Ponce	113	15	104
28	Parismina	New Orleans	93	3	51
29	Katie	Mobile	23	0	0
30	Manistee	New York	48	8	0

CUBA.

Reports from Cienfuegos—Inspection of vessels—Sanitary conditions.

Acting Assistant Surgeon Suarez reports, May 2 and 10:

Week ended May 1.

Vessels inspected	9
Bills of health issued	9
Members of crews inspected	246
Passengers inspected (in transit)	3
Passenger landed (not inspected)	1

The sanitary condition of the city and port has been satisfactory. No quarantinable diseases have been reported.

Week ended May 8.

Vessels inspected	4
Bills of health issued	4

The sanitary condition of the city and port is satisfactory. No quarantinable diseases have been reported.

Report from Habana—Inspection of vessels—Sanitary conditions.

Passed Assistant Surgeon Amesse reports, May 10:

Week ended May 8.

Bills of health issued	16
Vessels inspected	12
Members of crews of outgoing vessels inspected	805
Passengers of outgoing vessels inspected	642

The sanitary status of Habana and vicinity remains unchanged.

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Report from Matanzas—Inspection and fumigation of vessels.

Acting Assistant Surgeon Nuñez reports, May 10:

Week ended May 8. Bills of health issued to 3 vessels clearing for the United States. One of these, the British steamship *Yoruba*, bound from Veracruz to New Orleans, via Sagua la Grande and Matanzas, was fumigated under my direction and supervision when about to leave this port. The vessel left Veracruz in ballast and went to Sagua for orders, being fumigated by the Cuban service on leaving the former port.

New quarantinable diseases have been reported in this district during the week.

Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, May 4:

Week ended May 1. Bills of health issued to 5 vessels bound for the United States. No vessel was fumigated.

No quarantinable disease has been reported. (See Public Health Reports, May 7, p. 611.)

ECUADOR.

Reports from Guayaquil—Fumigation of vessels—Plague and yellow fever—Comparative statistics of mortality, January–March, 1908 and 1909—Plague at Babohoyo.

Passed Assistant Surgeon Wightman reports, April 4, through Passed Assistant Surgeon Lloyd:

Week ended March 27. Two steamships fumigated.

Quarantinable diseases were reported in Guayaquil for the same week as follows: Yellow fever, 32 new cases, with 12 deaths; plague, 17 new cases, with 3 deaths.

The total mortality figures for Guayaquil for the first quarter of the present year denote a considerable reduction in mortality when compared with the figures for the same quarter of the year 1908:

Deaths.

Year.	January.	February.	March.
1908	310	376	604
1909	258	303	404
Difference	52	73	200

This gives a total difference of 325 deaths less, in a population estimated at 70,000 inhabitants.

No further cases of plague have been reported at the villages of Milagro, Tolte, and Nisag.

Two new cases of plague have recently been reported from the river town of Babohoyo.

Week ended April 3. One steamship fumigated.

Quarantinable diseases reported for Guayaquil for the same week: Plague, 17 new cases, with 9 deaths; yellow fever, 40 new cases, with 22 deaths. Total mortality from all causes for the week, 108.

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HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, in temporary charge, reports, May 3:

Week ended May 1.

HONOLULU.

Total number of rats taken	563
Number of rats trapped	563
Number of rats found dead	0
Number of rats examined bacteriologically	459
Number of rats plague infected	0
Classification of rats trapped:	
Mus alexandrinus	60
Mus musculus	235
Mus norvegicus	118
Mus rattus	150
Average number of traps set daily	1,410
Number of poisons placed (barium carbonate)	415

HONDURAS.

Report from Ceiba, fruit port.

Acting Assistant Surgeon Jumel reports:

Week ended May 5. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Apr. 29	Bodo	17	0	0	0
May 1	Rosina	49	4	1	0
4	Habil	14	0	0	0

Temperature of all persons on above-named vessels taken at time of clearance.

Report from Puerto Cortez, fruit port.

Acting Assistant Surgeon Wailes reports:

Week ended May 4. Present officially estimated population, about 2,500. General sanitary condition of this port and the surrounding country, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
May 1	Fjell	16			
3	Harald	18			
4	Mercator	18	1		
5	Preston		1		

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INDIA.

Report from Calcutta—Transactions of Service—Cholera, plague, and smallpox.

Acting Assistant Surgeon Allan reports, April 15:

Week ended April 10. Bill of health issued to the steamship *Annie*, bonded for Charleston with a total crew of 30, and to the steamship *Manica* bound for Boston and New York, with a total crew of 39. The usual precautions were taken, holds fumigated, rat guards placed on wharf lines, and Lascars' effects disinfected.

Week ended April 3. At Calcutta, 129 deaths from cholera, 94 from plague, and 281 from smallpox.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples—Case of varioloid among passengers for steamship Montevideo—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, April 26:

Vessels inspected at Naples and Palermo week ended April 24.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Apr. 19	Hamburg	New York	910	120	1,250
20	Lazio	do	1,037	60	1,580
21	Fremona	Boston			
21	Pannonia	New York			
21	Regina d' Italia	do	970	70	1,340
22	Canopic	Boston	992	130	1,570
22	Indiana	New York	1,261	80	1,450
23	Montevideo	do	490	40	820
23	Liguria	do	1,046	120	820
	Total		6,706	620	8,830

PALERMO.

Apr. 21	Lazio	New York	1,069	1,431	164
22	Regina d' Italia	do	613	735	150
	Total		1,682	2,166	314

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Measles.	Smallpox.	Other causes.	Total.
Apr. 19	Hamburg	38	3	21				9	71
20	Lazio	32	2	12				8	54
21	Fremona								
21	Pannonia								
21	Regina d' Italia	22	7	13		1		11	54
22	Canopic	31	2	16		1		10	60
22	Indiana	26	6	17				19	68
23	Montevideo	12	3	6			1	7	29
23	Liguria	47	1	14	1			13	76
	Total	208	24	99	1	2	1	77	412

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Rejections recommended—Continued.

PALERMO.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favue.	Measles.	Smallpox.	Other pox.	Total.
Apr. 21	Liguria	23	.....	30	.....	.....	.....	5	58
22	Regina d' Italia	20	.....	32	.....	.....	.....	6	58
	Total	43	.....	62	.....	.....	.....	11	116

Smallpox in Naples.—Week ended April 25: Thirteen cases of smallpox with 1 death reported at the health office of the city of Naples.

A case of varioloid was discovered among passengers for the steamship *Montevideo*, April 23. The patient was transferred to the Cotugno hospital for contagious diseases. The family and 9 other contacts were rejected and placed in observation. The boarding house in which they all had been lodged is temporarily closed for disinfection, etc.

Status of smallpox in Italy.—Week ended April 25. Cases: Binasco (Milan), 2; Verona, 1; Pardenone (Udine), 4; Campobello (Trapani), 1; La Maddalena (Sassari), 1.

JAPAN.

Report from Yokohama—Examination of emigrants.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Korea* April 24, for San Francisco, recommended for rejection, 1.

Rejection was for trachoma.

Reports from Kobe—Inspection of vessels—Examination and disinfection of emigrants—Plague—Plague on Island of Formosa, January 1 to April 12, 1909.

Acting Assistant Surgeon Knight reports, April 15 and 21:

Week ended April 10. Supplemental bills of health granted to 7 steamships.

There were inspected 194 members of crews and 50 steerage passengers, and 27 members of crews and 25 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 127 and bedding 50. Manifests were viséed for 52,138 pieces of freight, amounting to 3,415 tons.

Emigrants were examined as follows: Steamship *Shinano Maru*, for Seattle. Passed, 23. Recommended for rejection, 12. The emigrants passed, together with 2 intending passengers to Victoria by the steamship *Shinano Maru*, were inspected, bathed, and disinfected, and their effects were disinfected before embarkation.

During the week 3 cases of human hair were disinfected with formalin.

The official returns of infectious diseases for the week show 1 case of plague in Kobe.

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It is officially reported that between January 1 and April 12, 1909, 410 cases of plague, with 334 deaths, occurred on the Island of Formosa. The authorities are using every means to eradicate the disease, but it is still on the increase. Formosa is situated 800 miles southwest of Kobe.

During the week ended April 17, 2 supplemental bills of health were granted to 2 steamships and one original bill of health was granted to 1 steamship.

There were inspected 167 members of crews and 42 steerage passengers. Fifty-three members of crews and 32 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 190 and of bedding 64. Manifests were viséed for 34,741 pieces of freight, amounting to 2,368 tons.

Emigrants were examined as follows: Steamship *Tenyo Maru* for Honolulu, passed 22, recommended for rejection 15; steamship *Tenyo Maru* for San Francisco, passed 10, recommended for rejection 2.

The official returns of infectious diseases for the week show that there was reported in Kobe 1 case of plague, with no death from that disease.

Report from Nagasaki—Examination of emigrants.

Sanitary Inspector Bowie reports, April 10:

Week ended April 10. Five emigrants examined; passed 1 for Honolulu; recommended for rejection 4—3 for San Francisco and 1 for Manila. Rejections were for trachoma.

No quarantinable disease present.

MEXICO.

Report from Coatzacoalcos—Inspection of vessels—Sanitary conditions.

Acting Assistant Surgeon Thompson reports, May 6:

Week ended May 5. Five vessels inspected. No illness occurred on these vessels while in port and all on board were well at the time of inspection.

No cases of any quarantinable disease have been reported. The health of the port is satisfactory.

Report from Mexico City—No yellow fever in Republic of Mexico—Preventive measures observed.

Doctor Liceaga, president of the superior board of health of Mexico, states, under date of May 10, that no case of yellow fever had occurred in the Republic of Mexico during the week ended May 8, and that prophylactic measures, consisting principally in the isolation of suspects, the destruction of mosquitoes and larvæ, and local sanitation, are observed in the localities in which yellow-fever cases have occurred during the past nine months.

Reports from Salina Cruz—Fumigation of vessel.

Acting Assistant Surgeon Gochicoa reports, April 24 and May 2:

Week ended April 24. No transactions.

Week ended May 1. One vessel fumigated.

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Report from Tampico—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Stowe reports, May 6:

Week ended May 5.

Vessels inspected and passed	7
Bills of health issued	7
Members of crews inspected	223
Passengers inspected	18
Vessels fumigated prior to sailing	2

No cases of quarantinable diseases have occurred during this period.

Sanitary condition of port, good.

Report from Veracruz—Dates of last cases of smallpox and yellow fever—Smallpox in vicinity decreasing—Compulsory vaccination.

Acting Assistant Surgeon Carter reports, May 3:

Week ended May 2. No cases of yellow fever or smallpox have been reported during the week. The last case of yellow fever reported was February 11, and the last case of smallpox ended fatally April 17. The yellow fever work is being carried on. There are very few mosquitoes.

Smallpox in the towns in the vicinity of Veracruz is reported as decreasing. Vaccination is compulsory.

PERU.

Report from Callao—Inspection and fumigation of vessel—Status of plague in Peru—Plague at Callao—Plague in Chilean ports.

Acting Assistant Surgeon Gutierrez reports, April 21:

Week ended April 17. One steamship, with an aggregated personnel of 101 members in the crew and 81 cabin and 10 steerage passengers, was fumigated and dispatched.

The following is the latest report on plague in Peru received from the Director de Salubridad Pública:

Locality.	Cases Apr. 2.	New.	Recovered.	Died.	Remaining Apr. 8.
Department of Lima	15	10	2	4	19
Department of Callao	3	4	0	3	4
Department of Libertad	31	9	11	3	26
Department of Lambayeque	15	1	9	2	5
Department of Arequipa	1	0	0	0	1
Department of Cajamarca	23	5	1	7	20

Since April 12, 5 cases of plague have occurred at Callao. Bills of health report plague in Chile as follows: Antofagasta, April 7: 10 cases isolated in two weeks. Iquique, April 8: 17 cases in lazaretto; 8 cases and 2 deaths in two weeks.

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PHILIPPINE ISLANDS.

Reports from Manila—Smallpox—Status of cholera in the provinces—Inspection of vessels—Quarantine transactions, month of February, 1909.

Chief Quarantine Officer Heiser reports, April 6:
Week ended April 3. Smallpox, 3 cases, 1 death.

Cholera cases and deaths in the provinces as reported to the bureau of health during the week.

Province.	Cases.	Deaths.
Bohol	21	10
Capiz	21	10
Cebu	6	.....
Sorsogon	3	3
Negros Occidental	126	59
Total	177	82

Consular bills of health issued:

April 3. The United States army transport *Dix*, with 140 crew, granted a bill of health for Seattle, after the usual inspection of personnel and cargo; the British steamship *Kumeric*, with 72 crew and 2 passengers, granted a bill of health for Tacoma; crew inspected at the hour of sailing; cargo inspected during loading; the British steamship *Taming*, with 70 crew, en route from Hongkong to Cebu, granted a supplemental bill of health; the British steamship *Satsuma*, with 56 crew, en route from New York to Iloilo, granted a supplemental bill of health.

Quarantine transactions of the service in the Philippine Islands during the month of February, 1909:

MANILA.

Bills of health issued	284
Vessels inspected	77
Passengers on arriving vessels inspected	2,915
Persons vaccinated	24
Members of crews on arriving steamships inspected	5,508
On arriving sailing vessels inspected	108
Persons bathed and effects disinfected	455
Steamships partially disinfected	3
Steamships fumigated to exterminate vermin	7
Pieces of baggage disinfected	607
Pieces of baggage inspected and passed	104
Steamships sailing without quarantine inspected and passed	10
Sailing vessels sailing without quarantine inspected and passed	2
Steamship disinfected	1
Members of crews on vessels inspected	772
Passengers on vessels inspected	557
Members of crews bathed and effects disinfected	163
Passengers bathed and effects disinfected	329
Pieces of baggage disinfected	1,544
Pieces of baggage inspected and passed	978
Pieces of miscellaneous cargo certified	81,897

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ILOILO.

Bills of health issued	12
Vessels inspected	17
Passengers on arriving vessels inspected	493
Members of crews on arriving steamships inspected	892
Persons vaccinated	7
Sailing vessels fumigated to exterminate vermin	2

CEBU.

Bills of health issued	8
Vessels inspected	373
Passengers on arriving vessels inspected	1,378
Members of crews on arriving steamships inspected	3,806
On arriving sailing vessels inspected	1,779
Persons detained in quarantine	97
Steamships fumigated to exterminate vermin	1

CAVITE.

No transactions.

OLONGAPO.

No transactions.

DAVAO.

No transactions.

ZAMBOANGA.

Vessels inspected	5
Passengers on arriving vessels inspected	158
Members of crews on arriving steamships inspected	332

JOLO.

Vessels inspected	3
Passengers on arriving vessels inspected	31
Members of crews on arriving steamships inspected	145

PORTO RICO.

Report from Ponce—Transactions of service, month of April, 1909.

Acting Assistant Surgeon Ferrer-Torres reports, May 1, through Chief Quarantine Officer Grubbs:

Month of April, 1909.

Vessels inspected	13
Disinfected	1
In quarantine	4
Passengers inspected:	
Incoming	158
In transit	656
Immigrants inspected	36
Rejections	0
Members of crews inspected	730
Bills of health issued	34
Passengers detained in quarantine	17

RUSSIA.

Report from Libau—Status of cholera in St. Petersburg—Examination of emigrants—Method of certification—Disinfection of baggage—Typhus fever and plague present.

Acting Assistant Surgeon De Forrest reports, April 30:

In St. Petersburg from April 22 to 28, inclusive, there occurred 12 cases of cholera and 1 death.

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Eight hundred and ninety-eight emigrants for steamship *Estonia*, sailing May 4, have been examined.

The steamship company states that they will, in May, begin the construction of barracks for their emigrants, consisting of 3 buildings and disinfecting station. I ascertain by personal observation that all passengers leaving in the company's vessels have been in Libau for 5 days and give each person or each family a blue or green card with names, ages, and date of first inspection. If they are in good condition, I stamp the card. They remain in special emigrant houses here for at least 5 days under daily observation of the city sanitary physician. When these emigrants come on board the ship, I inspect them again and hold all suspicious cases over until the sailing of the next steamship, and those who are passed have their quarantine card stamped with a date stamp.

All baggage (except hand baggage) is disinfected by formalin gas. By the end of May I expect to disinfect all hand baggage.

Typhus fever.—No new cases in Libau during the week ended April 30. There are 19 cases present.

Plague.—No new cases of plague in Libau. The one case previously reported is still present.

ST. LUCIA ISLAND.

Reports from Castries—Sanitary conditions.

Acting Assistant Surgeon Maylie reports, April 26 and May 3:

Weeks ended April 24 and May 1. Sanitary condition of port and vicinity good. No quarantinable diseases.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Transvaal—Johannesburg.*—Two weeks ended April 3, 1909. Estimated population, 180,687. Total number of deaths, 125, including enteric fever 10, scarlet fever 1, measles 2, whooping cough 1, diphtheria 1, and 10 from tuberculosis.

Lourenço Marquez.—Month of February, 1909. Estimated population, 10,000. Total number of deaths, 34, including 6 from tuberculosis.

AUSTRALIA—*Newcastle district.*—Annual report for the year 1908. Total number of deaths, 720, corresponding to an annual death rate of 11.29 per 1,000 of population, which is estimated at 63,760. The deaths from contagious diseases were: Enteric fever 8, diphtheria 7, and 45 from tuberculosis.

The State of South Australia, including the city of Adelaide.—Four weeks ended March 6, 1909. Estimated population: State, 394,692; city, 40,185. Total number of deaths, 303, including enteric fever 8, and 47 from tuberculosis. Cases: Enteric fever 56, scarlet fever 10, diphtheria 11, and tuberculosis 30.

State of Victoria, including the city of Melbourne.—Six weeks ended March 6, 1909. Estimated population of State, 1,237,998; city,

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526,400. Total number of deaths not reported. Deaths from contagious diseases were: Enteric fever 36, scarlet fever 4, and 4 from diphtheria. Cases: Enteric fever 440, scarlet fever 351, diphtheria 191.

BRAZIL—*Ceara.*—Month of March, 1909. Estimated population, 50,000. Total number of deaths, 127, including enteric fever 10, whooping cough 2, and 14 from tuberculosis.

CEYLON—*Colombo.*—Five weeks ended March 20, 1909. Estimated population, 183,872. Total number of deaths, 590, including smallpox 7, enteric fever 31, measles 3, and 73 from tuberculosis.

FRANCE—*Cherbourg.*—Month of April, 1909. Estimated population, 43,948. Total number of deaths, 107, including enteric fever 16, diphtheria 1, and 21 from tuberculosis.

Nice.—Month of March, 1909. Estimated population, 150,881. Total number of deaths, not reported, including diphtheria 1, enteric fever 2, scarlet fever 1, and 39 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended April 24, 1909, correspond to an annual rate of 15.8 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand three hundred and ninety-three deaths were registered during the week, including measles 72, scarlet fever 8, diphtheria 11, enteric fever 2, whooping cough 49, tuberculosis 109, and 7 from diarrhea. The deaths from all causes correspond to an annual rate of 15.0 per 1,000. In Greater London 2,005 deaths were registered. In the "outer ring" the deaths included 15 from measles, 6 from diphtheria, 3 from scarlet fever, and 9 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended April 24, 1909, in the 21 principal town districts of Ireland was 23.9 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Drogheda, viz, 4.1, and the highest in Armagh, viz, 48.1 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended April 24, 1909, correspond to an annual rate of 17.4 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Paisley, viz, 21.0, and the lowest in Leith, viz, 14.0 per 1,000. The aggregate number of deaths registered from all causes was 620, including diphtheria 5, measles 6, scarlet fever 3, enteric fever 5, and 46 from whooping cough.

JAPAN—*Formosa.*—Two weeks ended April 10, 1909. Estimated population, 3,108,723. Total number of deaths, 105, including enteric fever 3, diphtheria 1, and 99 from plague.

NEW ZEALAND—*Auckland.*—Annual report for the year 1908. Total number of deaths, 772, corresponding to an annual death rate of 10.41 per 1,000 of population, which is estimated at 74,188. The

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deaths from contagious diseases were: Enteric fever 21, scarlet fever 2, whooping cough 5, diphtheria 5, and 52 from tuberculosis.

Wellington.—Annual report for the year 1908. Total number of deaths, 658, corresponding to an annual death rate of 9.10 per 1,000 of population, which is estimated at 72,322. The deaths from contagious diseases were: Enteric fever 5, scarlet fever 16, measles 2, whooping cough 1, diphtheria 6, and 73 from tuberculosis.

Christchurch.—Annual report for the year 1908. Total number of deaths, 579, corresponding to an annual death rate of 9.52 per 1,000 of population, which is estimated at 60,820. The deaths from contagious diseases were: Enteric fever 2, whooping cough 1, diphtheria 2, and 66 from tuberculosis.

Dunedin.—Annual report for the year 1908. Total number of deaths, 634, corresponding to an annual death rate of 10.5 per 1,000 of population, which is estimated at 60,387. The deaths from contagious diseases were: Measles 5, scarlet fever 3, diphtheria 2, and 69 from tuberculosis.

TASMANIA—*Hobart.*—Month of March, 1909. Estimated population, 184,008. Total number of deaths, 182, including diphtheria 1, and 1 from enteric fever.

WEST INDIES—*Curaçao.*—Month ended April 30, 1909. Estimated population, 30,000. Total number of deaths, 17. Cause of deaths not reported.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to May 21, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Jan. 2	16	13	
China:				
Hongkong	Dec. 28-Jan. 16	2	2	
India:				
Bombay	Dec. 9-Apr. 20		245	
Calcutta	Nov. 1-Apr. 10		883	
Madras	Nov. 14-Apr. 9		61	
Negapatam	Oct. 31-Apr. 2		38	
Rangoon	Nov. 8-Apr. 10		81	
Indo-China:				
Cholen	Nov. 9-15	1	1	
Saigon	Mar. 1-6	2	2	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1-Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1-Jan. 16	260	163	
Bataan	Nov. 1-7	1	1	
Bohol	Dec. 20-Apr. 3	500	239	
Bulacan	Nov. 1-Feb. 27	82	71	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands—Cont'd.				
Manila—Continued.				
Cagayan	Nov. 1–Jan. 16	114	67	
Capiz	Nov. 1–Apr. 3	1,488	843	
Cavite	Nov. 1–Feb. 20	110	81	
Cebu	Dec. 20–Apr. 3	27	15	
Ilocos Norte	Nov. 1–Jan. 16	335	235	
Ilocos Sur	Nov. 1–Jan. 2	207	140	
Iloilo	Nov. 1–Mar. 6	294	154	
Isabela	Jan. 24–30	2	.....	
Laguna	Nov. 1–Mar. 6	119	81	
Leyte	Nov. 1–Mar 6	158	125	
Negros Occidental	Nov. 1–Apr. 3	439	263	
Nueva Ecija	Feb. 14–20	1	1	
Palawan	Nov. 1–Dec. 19	10	5	
Pampanga	Nov. 1–Mar. 20	99	73	
Rizal	Nov. 1–Feb. 20	246	216	
Samar	Nov. 1–Mar. 13	196	223	
Sorsogon	Jan. 10–Apr. 3	103	68	
Surigao	Nov. 15–Jan. 12	7	4	
Union	Nov. 1–Jan. 12	12	8	
Zambales	Dec. 6–12	3	3	
Russia, general	Nov. 15–Apr. 17	4,032	1,780	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smelnogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15–Jan. 23	34	13	
Bakoo	Nov. 22–28	3	2	
Batoon	Nov. 15–21	4	2	
Charkov	Dec. 6–Mar. 13	6	1	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Mar. 6	190	97	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7–Mar. 20	63	28	
Kherson	Nov. 15–Dec. 19	2	.....	
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1	.....	
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3	.....	
Romanov-Borisoglyebsk	Mar. 10	.....	.....	Present.
Rybinsk	Mar. 13	7	.....	
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of	Dec. 19–26	1	.....	
Stavropol	Nov. 15–21	1	.....	
St. Petersburg, government	Nov. 15–Mar. 19	35	.....	
St. Petersburg	Nov. 29–Apr. 17	2,319	713	Apr. 28, still present.
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 23	102	48	
Toula	Feb. 21–Mar. 6	7	2	
Tver district	Nov. 15–Dec. 5	4	.....	
Volgoda	Dec. 6–12	1	.....	
Yellsavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–Dec. 5	1	.....	
Straits Settlements:				
Penang	Feb. 27	1	.....	From s. s. Sunki Maru.
Singapore	Nov. 8–Feb. 27	.....	165	

YELLOW FEVER.

Barbados, general	Dec. 12–May 1	69	22	Including the parishes of St. Andrew, St. John, St. Joseph, St. Lucy, St. Michael, and St. Thomas.
Bridgetown	Dec. 12–Mar. 20	11	.....	
Speightstown	Mar. 7	1	.....	
Brazil:				
Bahia	Nov. 15–Mar. 27	157	60	
Manaos	Nov. 29–Apr. 3	.....	16	
Para	Nov. 22–May 1	.....	69	
Pernambuco	Nov. 15–Mar. 15	.....	3	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

YELLOW FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Colombia:				
Cartagena	Jan. 8-14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1-2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1-Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29-Apr. 24		125	
Martinique:				
Fort de France	Dec. 13-Mar. 6	5	1	
Mexico:				
Itzincal plantation	Dec. 6-12	2	2	
Maxcanu	Dec. 6-Jan. 23	5	4	Aug. 22-Dec. 18, 5 cases not previously reported.
Merida	Dec. 6-Apr. 13	16	8	
San Bernardo plantation	Dec. 27-May 1	8	4	
Sodzil plantation	Dec. 13-Jan. 2	7	5	
Ticul	Feb. 1-Apr. 13	4	2	
Veracruz	Dec. 6-Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Mascat	Apr. 16	1	1	From ss. Agrica.
Azores:				
Fayal	Apr. 1	1		Sept. 22-Mar. 31, 10 cases additional.
Terceira	Mar. 31-Apr. 1	17	6	
Australia:				
Brisbane	Nov. 1-7	1	1	
Sydney	Mar. 6-12	4	1	
Belgium:				
Antwerp	Apr. 11	3		In quarantine at Doeul from ss. Rubens.
Brazil:				
Bahia	Nov. 15-Mar. 27	60	27	
Para	Jan. 24-Feb. 6		2	
Pernambuco	Nov. 1-Dec. 31		10	
Rio de Janeiro	Nov. 16-Mar. 28	75	36	
Chile:				
Antofagasta	Feb. 28-Apr. 17	42		Apr. 3, 11 cases in lazaretto.
Arica	Mar. 9			Present.
Iquique	Jan. 1-Apr. 8	59	21	Year 1908, 133-70; Apr. 8, 17 cases in the lazaretto.
Magillones	Mar. 9-10	70		
Taltal	Feb. 11			Present.
China:				
Amoy	Mar. 6	1		Present Apr. 3, and present at Wuchang in September.
Canton	Mar. 6-20	35	25	
Changchew	Apr. 3			Epidemic.
Chinchew	Mar. 7-Apr. 3			Present.
Fukien Province, Chang Poo	Mar. 7-13			Epidemic.
Hankau	Nov. 30-Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8-Apr. 3	31	23	
Tamchou	Dec. 19			Vicinity of Hainan; present.
Tientsin	Oct. 18-Nov. 21			Feb. 16, again present.
Tongshan	Nov. 1-14			Present.
Ecuador:				
Babohoyo	Jan. 16-Mar. 27	5		
Guayaquil	Nov. 29-Apr. 24		100	
Milagro	Nov. 17-Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25-Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14-Jan. 20	4		
Port Said	Dec. 4-Apr. 14	2	1	
Suakim	Feb. 1	1		On ss. Huriet II.
Provinces—				
Assiout	Dec. 2-Apr. 15	22	17	
Beherach	Nov. 24-Dec. 26	11	6	
Dakaklieh	Feb. 4-Mar. 20	6	6	
Galyoobeeyeh	Nov. 21-Feb. 2	3		
Garbieh	Nov. 27-Jan. 28	4	2	
Girgeh	Oct. 18-Mar. 14	8	8	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt—Continued.				
Provinces—Continued.				
Fayoum	Nov. 23–Apr. 12	3	2	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Apr. 15	16	8	
German East Africa:				
Dar-es-Salaam	Oct. 10–Jan. 7	7	5	
Great Britain:				
Elstree	Feb. 3–4	1	1	At plague laboratory.
India:				
Bombay Presidency and Sind.	Nov. 2–Mar. 20	19,451	13,886	
Madras Presidency	Nov. 2–Mar. 20	1,101	789	
Bengal	Nov. 2–Mar. 20	4,731	3,946	
United Provinces	Nov. 2–Mar. 20	7,096	5,934	
Punjab	Nov. 2–Mar. 20	13,279	10,673	
Burma	Nov. 2–Mar. 20	4,783	4,530	
Central provinces, including Berar.	Nov. 2–Mar. 20	5,268	4,141	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Mar. 20	2,823	2,026	
Hyderabad State	Nov. 2–Mar. 20	616	509	
Central India	Nov. 2–Mar. 20	750	582	
Rajputana	Nov. 2–Mar. 20	2,757	2,513	
Kashmir	Mar. 14–20	5	2	
Grand total		62,665	49,534	
Indo-China:				
Cholen	Oct. 25–Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25–Apr. 3	26	22	
Japan:				
Amagasaki	Feb. 27			Present.
Awaji Island, Sumoto	Feb. 27			Do.
Formosa	Nov. 8–Apr. 10	484	391	Mainly in the central and south central part.
Kagi, prefecture	Jan. 16	5		
Hiogo, prefecture				Year 1908, 219 cases additional
Kagoshima, prefecture	Feb. 6	1		From ss. Shinkochi Maru.
Kobe	Jan. 20–Apr. 21	7	4	3 cases from ss. Ghazee. Feb. 27, again present. Apr. 3, 1 case in vicinity.
Mikagi	Feb. 27			Present.
Nara, prefecture				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases. Feb. 28, still present.
Osaka	Dec. 22–Jan. 29	3	1	Year 1908, 59 cases additional. Case Jan. 29, on ss. Shinkochi Maru.
Tokushima, prefecture		1		Year 1908.
Yura		116	83	Do.
Mauritius	Oct. 2–Jan. 31		115	
Peru:				
Arequipa, department	Feb. 19–Apr. 1	6	4	
Mollendo	Nov. 1–Feb. 18	1	5	
Cajamarca, department	Feb. 19–Apr. 8	60	38	
Cascas	Feb. 12–18	12	5	
Chota	Jan. 22–Feb. 18	8	8	
Callao, department	Feb. 19–Apr. 8	11	6	
Callao	Nov. 13–Feb. 18	18	11	Apr. 21, present.
Lambayeque, department	Feb. 19–Apr. 8	40	17	
Chiclayo	Nov. 13–Feb. 18	44	23	
Eten	Nov. 13–Dec. 31	11	10	
Jayanca	Feb. 4	12		
Lambayeque	Feb. 18–Mar. 4	6	5	
Motupe	Dec. 17–Jan. 14	2		
San Jose	Nov. 13–Dec. 3	2		
Zaña	Jan. 14–Feb. 18	4	2	
Libertad, department	Feb. 19–Apr. 8	56	19	
Casma	Feb. 4	1	1	
Chepen	Nov. 27–Feb. 18	19	6	
San Pedro	Nov. 13–Feb. 18	28	21	
Trujillo	Nov. 13–18	153	70	
Lima, department	Feb. 19–Apr. 8	25	7	
Chorrillos	Jan. 22–Feb. 4	2	2	
Lima	Nov. 13–Feb. 13	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15		
Piura, department	Feb. 19–Mar. 4	2	1	
Catacaos	Dec. 11–Feb. 18	7		
Paita	Dec. 11–17	3	2	
Piura	Dec. 11–Jan. 14	6	4	

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia:				
Libau	Mar. 30–Apr. 5	1		
Siam:				
Bangkok	Sept. 27–Feb. 28	13	7	
Straits Settlements:				
Singapore	Nov. 30–Mar. 20	3	3	
Turkey in Asia:				
Bagdad	Nov. 6–Feb. 5	14	7	
Beirut	Dec. 17–Jan. 9	5	5	
Jiddah	Dec. 12–Apr. 25	178	160	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	Dec. 1–Mar. 31		95	
Bona	Jan. 1–Mar. 31	57	34	
Arabia:				
Aden	Nov. 25–Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1–Dec. 31		2	
Australia:				
New South Wales—				
Newcastle	Nov. 1–Mar. 31	2		
Austria:				
Bohemia	Jan. 31–Feb. 13	8		
Galicia	Dec. 20–Apr. 10	10		
Silesia	Jan. 3–Apr. 10	5		
Trieste	Mar. 21–27	1		
Barbados:				
Bridgetown	May 1	1		From ss. Parima.
Brazil:				
Bahia	Nov. 15–Mar. 27	327	29	
Para	Feb. 14–Mar. 27	3	2	
Pernambuco	Nov. 1–Mar. 15		118	
Rio de Janeiro	Nov. 16–Mar. 28	1,373	672	
Santos	Nov. 1–Dec. 20		10	
São Paulo	Nov. 1–Mar. 14		59	
British Honduras:				
Stann Creek	Feb. 5–Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28–Mar. 13	5		
Durban	Mar. 20–27	1		
Canada:				
British Columbia—				
Vancouver	Dec. 1–Mar. 31	7		
Victoria	Dec. 12–Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20–Jan. 20	6		
Ontario, Province, general	Dec. 1–31	118		
Hamilton	Jan. 17–23	1		
Toronto	Nov. 8–Mar. 6	21		
Nova Scotia—				
Halifax	Dec. 13–May 8	79		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1–May 8	30		Revised.
Quebec—				
Montreal	Dec. 26–Jan. 2	1		
Ceylon:				
Colombo	Nov. 1–Mar. 27	194	43	Reports Dec. 19–Jan. 26 received out of date.
Chile:				
Concepcion	Jan. 15–31	1		
Talcaguana	Nov. 20–Jan. 28			Present in vicinity.
Valparaiso	Dec. 6–19	2		
China:				
Amoy	Oct. 11–Nov. 8		2	Apr. 3, still present.
Canton	Mar. 6–27	65		
Hankau	Mar. 20			Present.
Hongkong	Jan. 3–Apr. 3	18	6	
Shanghai	Nov. 11–Apr. 4	6	6	3 cases Nov. 11–Dec. 28 from U. S. transport Seward.
Tientsin	Jan. 17–Feb. 27	10	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26–Apr. 3	5		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12–Feb. 25	737	164	
Alexandria	Nov. 26–Feb. 28	42	26	
Cairo	Nov. 19–Apr. 8	478	116	
Suez	Feb. 19–Mar. 6	27	2	
France:				
Marseille	Dec. 1–Jan. 31		2	
Nantes	Mar. 15–21	1		
Nice	Jan. 1–Feb. 28	2		
Paris	Nov. 22–Apr. 24	59	3	
Toulon	Jan. 1–31	1		
Germany, general	Nov. 19–May 1	82		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Brunswick	Feb. 16–20	1		
Hamburg	Mar. 13	2		Among Russian emigrants.
Konigsberg	Jan. 9	1		
Gibraltar	May 2	1		
Greece:				
Athens	Nov. 22–Mar. 6		5	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–Apr. 10	30	7	
Cardiff	Apr. 3–10	1		
Dunbar	Mar. 21–27	1		From a vessel.
London	Feb. 1–6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases: 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25–Apr. 20		255	
Calcutta	Nov. 1–Apr. 10		3,096	
Madras	Nov. 28–Apr. 16		26	
Rangoon	Nov. 22–Apr. 10		84	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–Apr. 3	42	26	
Italy, general	Nov. 30–Apr. 25	341		
Catania	Feb. 28–Apr. 17	8		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–Mar. 10	4		
Genoa	Dec. 1–Apr. 30	11		
Naples	Dec. 7–Apr. 25	384	60	Jan. 18, 1 case on s. s. Europa. Case Apr. 23 on s. s. Montevideo.
Palermo	Jan. 24–Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15–21	2		
Japan:				
Formosa	Nov. 29–Mar. 13	19		
Kobe	Feb. 14–Mar. 6	5	2	3 cases in March from s. s. Ghazee from Singapore.
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–Apr. 3	73	7	
Malta	Nov. 22–Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17–Apr. 10	7	2	
Mexico:				
Acapulco	Jan. 11–Feb. 14	15		
Acayucan	Mar. 17			Present.
Chihuahua	Apr. 19–May 2	4		
Guadalajara	Jan. 7–May 6		17	
Mexico City	Nov. 8–Mar. 27		220	
Monterey	Jan. 4–May 2		57	
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Salina Cruz	Jan. 1–15	5		
Tampico	Apr. 28			Present at localities between Tampico and Tuspan.
Tehuantepec	Jan. 28–Feb. 3			Present.
Veracruz	Dec. 13–Apr. 17	8	5	Apr. 20, still present.
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Rotterdam	Jan. 10–Mar. 27	1	1	
Newfoundland	Feb. 9–Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10–Apr. 3	11		Case Jan. 10 from s. s. Portia.

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Norway:				
Bergen	Jan. 24-30		2	
Christiania	Nov. 22-28	1	1	
Paraguay:				
Asuncion	Dec. 20-26			Present.
Persia:				
Arabistan	Jan. 1-28			Do.
Dizfoul	Jan. 1-28			Do.
Hamadan	Oct. 2-Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Mar. 1-31	22		Present in October.
Mash-Had	Apr. 5			Present.
Mechedisser	Jan. 1-28			Do.
Mohammerah	Jan. 1-28			Do.
Sultanabad	Oct. 1-31			Do.
Tabriz	Oct. 2-Apr. 5			Do.
Teheran	Sept. 18-Oct. 28		17	
Trebizond	Jan. 16			Do.
Peru:				
Lima	Nov. 22-Dec. 31	11		Mar. 27, 1 case in the lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-Apr. 3	54	19	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-Apr. 24	58		One case, Jan, 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1-Feb. 28	2		
Moscow	Nov. 20-Apr. 24	457	169	
Odessa	Oct. 4-Apr. 24	89	14	
Reval	Jan. 1-31	1		
Riga	Nov. 29-Apr. 24	22		
St. Petersburg	Nov. 15-Apr. 10	196	54	
Warsaw	Nov. 1-Mar. 6		71	
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala.
Servia:				
Belgrade	Dec. 6-12	2		
Siam:				
Bangkok	Feb. 1-Mar. 31	141	90	Present in November.
Siberia:				
Vladivostok	Dec. 14-Feb. 14	2		
Southeast Africa:				
Lourenço Marquez	Jan. 1-31	1	1	
Spain:				
Almeria	Jan. 1-Mar. 31		4	Apr. 1-Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6-May 3		70	
Cartagena	July 1-31		15	
Huelva	Mar. 1-31		2	
Madrid	Nov. 1-Mar. 31		88	
Valencia	Nov. 29-May 1	108	9	
Vigo	Nov. 30-Mar. 27		12	
Straits Settlements:				
Penang	Mar. 1-27	2	2	Case Mar. 1 from s. s. Pentakota; case Mar. 27 from s. s. Hong Sin.
Singapore	Dec. 28-Apr. 3		11	
Switzerland:				
Zug, Canton	Apr. 11-17	1		
Zurich	Feb. 21-27	3		
Tripoli:				
Tripoli	Feb. 13-Apr. 24	181	31	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bagdad	Feb. 13-Apr. 3			Present.
Bassorah	Jan. 3-Apr. 17			Do.
Smyrna	Oct. 7-Mar. 25		73	
Turkey in Europe:				
Constantinople	Dec. 7-Apr. 25		69	
Trebizond	Feb. 7-May 2			Do.
Uruguay:				
Montevideo	Dec. 1-Feb. 28		13	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Apr. 24	181,918	49									1	1	2
Aden	Apr. 12	43,974	19	4										
Aguascalientes	May 2	40,000	65	1					4				2	3
Aix la Chapelle	Apr. 10	159,695	53	6								1	3	
Antwerp	Apr. 17	323,921	64	6								3	1	
Asuncion	Mar. 20	75,000	19	1						2				
Do	Mar. 27	75,000	22	2										
Athens	Apr. 24	241,058	49	20								2	3	
Baracoa	Apr. 17	27,000	4											
Barcelona	Apr. 26	600,000	380	19				5		3	1	4	3	
Barmen	Apr. 17	161,400	41	5										
Barranquilla	do	40,000	13	1										
Basel	do	131,000	53	9							2			
Belfast	Apr. 24	386,576	172	23										7
Belize	Apr. 29	9,113	4	1										
Bergen	Apr. 17	87,749	24	3						1		1		
Berlin	Apr. 10	2,101,412	644	96						1	12	11	10	4
Birmingham	Apr. 24	558,336	181								1	2	17	6
Bluefields	Apr. 17	2,500	3	1										
Do	Apr. 24	2,500	5	2										
Bombay	Apr. 13	977,822	1,089	42	370	97		15		2			6	1
Bordeaux	Apr. 24	253,000	93	10						2			4	
Bradford	Apr. 3	293,983	92	6										
Do	Apr. 10	293,983	93	8						1	1	1		2
Do	Apr. 17	293,983	98	8						1	2	1		1
Do	Apr. 24	293,983	101	8								2		1
Bremen	do	234,719	77	16							2			
Bristol	do	377,642	94	5								1	5	2
Brussels	do	704,975	181	15								1	3	
Cairo	Apr. 1	701,806	454	33				2	7	1		4	15	
Do	Apr. 8	701,806	505	33				8	7	1		1	22	
Calcutta	Apr. 3	847,796	895	23	94	129		281						
Cardiff	Apr. 17	195,303	50	1						1			1	3
Do	Apr. 24	195,303	58	7										
Canton	Mar. 27	1,000,000	200	25						4				
Cartagena	Apr. 18	30,000	12											
Ceiba	May 1	6,500	3											
Chemnitz	Apr. 17	272,442	77	5								3		
Chihuahua	Apr. 25	37,000	27	4										
Do	May 2	37,000	17	4										1
Cienfuegos	Apr. 24	37,000	19											
Do	May 1	37,000	15											
Coburg	Apr. 17	23,323	6	1										
Cologne	do	469,299	148	19							9	3	1	1
Cognac	Apr. 24	19,483	5											
Colombo	Mar. 27	183,872	86	15				1		2				
Colon	Apr. 25	16,000	10	1										
Constantinople	Apr. 18	1,000,000	287	40						5		1	2	
Copenhagen	Apr. 10	447,000	136	25							2		3	2
Dalny	do	36,885	36	1				1						1
Damascus	do	250,000	49											
Do	Apr. 17	250,000	48											
Denia	do	12,431	1	1										
Do	Apr. 24	12,431	1											
Dresden	Apr. 17	544,700	158	21							1	4	3	1
Dublin	Apr. 24	394,525	194	29						1			3	6
Dundee	Apr. 17	169,409	61											
Do	Apr. 24	169,409	57									1		3
Durban	Apr. 3	60,244	14							1				
Edinburgh	Apr. 24	355,366	126	14										9
Erfurt	Apr 17	107,189	41	2							1		4	
Flushing	Apr. 24	21,208	5											
Do	May 1	21,208	6											
Frankfort on the Main	Apr. 17	363,200	97								1	1		
Frontera	do	9,000	10	1										
Do	Apr. 25	9,900	6											
Do	May 1	9,000	3											
Geneva	Apr. 17	118,500	41											
Ghent	do	164,579	57	4										
Gibraltar	Apr. 25	26,830	4											
Glasgow	Apr. 30	872,021	290							4	2	3		22
Gothenburg	Apr. 24	162,400	35	5										
Greenock	do	72,300	24											3

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Guayaquil	Apr. 10	75,000	76	8	4		8							2
Halifax	May 1	40,787	32	3										
Hamburg	Apr. 24	872,252	313	44							6	4	2	2
Hamilton, Bermuda	May 3	20,206	5											
Havre	Apr. 17	132,430	77	16						1				1
Hilo	Apr. 10	3,500	4							2				
Do	Apr. 17	3,500	7	1						1		1		
Hongkong	Mar. 27	315,616	4		4									
Do	Apr. 3	315,616	6		5							1		
Hull	Apr. 24	275,552	89								1	1	2	
Kobe	Apr. 10	380,717	131											
Konigsberg	Apr. 17	239,100	91	6							1			
Lausanne	...do....	60,000	27											
Leeds	Apr. 24	484,012	145	12						1		1	2	3
Leipzig	Apr. 17	537,686	166	22						1	2	2		1
Leith	Apr. 24	85,721	23	1						1				
Liege[a]	Apr. 17	176,334	109	12						2		1	1	
Liverpool	Apr. 24	760,357	295	24							4	1	24	5
Lisbon	Apr. 3	406,869	160	22				1						3
London	Apr. 24	4,833,938	1,393	109						2	8	11	72	49
Lubeck	...do....	97,000	38	2					1			1		
Lyon	Apr. 17	472,114	191	44								2		1
Magdeburg	...do....	249,787	76	6								1		
Manaos	Apr. 10	54,000	30											
Manchester	Apr. 24	631,533	247	25						1	4	1	14	4
Mannheim	Apr. 11	182,811	55	5									2	1
Matamoros	May 2	8,000	4	1										
Mazatlan	Apr. 24	22,000	20											
Milan	Apr. 11	900,000	246	34						1	5	2	4	
Do	Apr. 18	900,000	249	41						3	2		6	
Moncton, N. B	May 8	13,000	2											
Nonrovia	Mar. 5	7,000	2											
Do	Mar. 12	7,000	6											
Do	Mar. 19	7,000	4											
Do	Mar. 26	7,000	2											
Do	Apr. 2	7,000	3											
Do	Apr. 9	7,000	4											
Monterey	May 2	100,000	79	4				16		2				
Montreal	May 1	378,856	132	22							1	1	4	5
Moscow	Apr. 17	1,335,104	862	111				13	12	3	27	10	31	5
Munich	...do....	566,000	240	46								4	6	3
Do	Apr. 24	566,000	212	36								2	7	2
Nagasaki	Apr. 11	175,936	35											
Newcastle-on-Tyne	Apr. 24	281,584	96										6	1
Newchwang	Apr. 3	60,000	13											
Do	Apr. 10	60,000	13											
Nottingham	Apr. 17	260,000	102										11	
Nuevo Laredo	May 1	8,000	4	1										
Nuremberg	Apr. 3	316,180	87	16								1		
Odessa	Apr. 10	520,000	215	30					2		6	1	1	3
Do	Apr. 17	520,000	169	25					2	1	2	4		1
Ottawa	Apr. 24	80,200	24											
Do	May 1	80,200	18											
Para	Apr. 17	185,000	105	7			6							
Plymouth	Apr. 24	124,180	52							1			7	
Prague	Apr. 10	229,371	150	30							5	1	2	
Do	Apr. 17	229,371	147	37						1	2	1		1
Queenstown	Apr. 24	7,684	3											
Rangoon	Apr. 3	252,155	214	5	29	8		14						
Rome	Feb. 6	559,715	306	17						1	1	4	6	
Rotterdam	Apr. 24	413,337	141											
Do	May 1	413,337	94									1		
St. John, N. B	May 8	40,711	12	4						1		1		
St. Petersburg	Apr. 3	1,678,000	829	144		2		8	2	7	25	14	29	7
Do	Apr. 10	1,678,000	829	131		1		3	1	11	20	12	26	11
San Felin de Guixols	Apr. 24	11,094	4	1										
Santa Cruz de Teneriffe	Apr. 17	46,000	14	2									1	
Do	Apr. 24	46,000	10	1									1	
Santiago de Cuba	May 1	45,497	15	4										
Singapore	Mar. 27	260,000	187	31				1		2				
Southampton	Apr. 24	124,667	38	4										1

[a] Report covers two weeks.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
South Shields	Apr. 24	117,627	31	4						1			1	2
Stockholm	Apr. 10	339,582	111	20							5	1		1
Do	Apr. 17	339,582	122	24							2	1		1
Sunderland	Apr. 24	159,137	60										7	1
Tarragona	...do	20,400	8	1						1				
Tegucigalpa	Apr. 20	24,000	9											
Turin [a]	Apr. 9	381,439	129	9						1		3		
Do	Apr. 23	381,439	150	12							2		1	1
Valencia	Apr. 17	240,000	107	13									6	
Do	Apr. 24	240,000	110	8						1			2	
Vevey	Apr. 17	14,500	5											
Victoria, B. C.	May 1	30,000	7								1			
Vienna	Apr. 24	2,064,037	873	159						3	8	4	28	5
Warsaw	Feb. 20	751,595	300	63				2	4	2	5		8	1
West Hartlepool	Apr. 24	66,750	17									2		
Winnipeg	May 1	118,000	10	1										
Zanzibar	Apr. 7	75,000	26	5										
Zurich	Apr. 17	180,000	58	11								2		1
Do	Apr. 24	180,000	44	9									1	

[a] Reported out of date.

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Colored Anti-Tuberculosis League—Proposed plan of organization.

On request of the president of the Georgia State College for Colored Youth, Surg. C. P. Wertenbaker was directed by the bureau to lecture before a negro farmers' conference at Savannah, Ga., while on detail to inspect the Quarantine Station at that port. Doctor Wertenbaker reports, March 20:

February 25, I gave an illustrated lecture on tuberculosis at the State Industrial College before an audience that crowded the hall to its capacity, with standing room only.

The audience were all negroes, and consisted of the faculty and students of the college, ministers, physicians, and other prominent negroes from Savannah and adjacent places, and several hundred negro farmers from different parts of the State.

At the close of the lecture I made the suggestion that there be organized at that time a State Anti-Tuberculosis League for Negroes. Such an organization was at once formed, with Prof. R. R. Wright, president of the college, as president, and Dr. S. P. Lloyd of Savannah, Ga., as secretary.

A committee was appointed by the president to select the suitable vice-presidents for each county in the State, and it is proposed that the vice-president proceed to organize a branch of the State league in each negro church in his county.

The plan of organization that I suggested, and that was adopted by the state league, is as follows:

That the vice-president for each county call together leading negro ministers, physicians, teachers, etc., in his county, or in different sections of the county, and induce them to start a branch of the state league in each negro church in the said county.

It is proposed that any colored person may become a member of one of these branch leagues by the payment of annual dues, and shall receive a certificate of membership. This certificate shall be attractively designed, and shall contain, in addition to the certificate of membership, necessary information relative to the cause, prevention, and cure of tuberculosis, and the measures necessary to prevent its spread, as well as other valuable sanitary instructions.

It is furthermore proposed that each member of the league wear a button bearing the words "Colored Anti-Tuberculosis League," which surrounds a double red cross.

It is intended that the fund formed by the annual dues paid by the members into each church league shall be used for the care and treatment of such members of that league as may have tuberculosis, and

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for disseminating information for combating the spread of the disease by publications, lectures, establishment of dispensaries and sanatoria, etc.

I have been informed since my return from Georgia that the state league has completed its organization and is now actively engaged in organizing church leagues throughout the State, and that quite a number have been formed. In Savannah the negro ministers' association and the negro physicians have indorsed the movement, and the work of organization is being carried on with enthusiasm in a number of counties.

ADVANTAGES OF THE PLAN PROPOSED.

1. It is well known that tuberculosis is very prevalent among the negroes. Nearly four times as many of them die of the disease as white people. This plan reaches the negro in the most effective way, viz, through his church organization. The church is an organization in which the negro is always interested, and with which a majority of the race are connected.

It meets his religious and his social needs and is his club as well as his church. The minister is usually the best educated and most intelligent man in the church, and his influence with his congregation is great.

By taking advantage of the church organization the negro is reached in the most practical way, and the work of eradicating tuberculosis among its members enlists the cooperation of its most intelligent men, and those having the greatest influence with the negroes.

2. The plan of having a vice-president for each county, whose duty it is to organize a branch league in each negro church in the county, gives a convenient and useful means of subdividing the work and insures greater activity in it, in addition to enlisting a larger number in the work than in any other way.

3. The organization into church leagues enables the minister, who knows the life and circumstances of his members better than anyone else can know them, to render aid in the most effective way to those who have the disease, and teach his people those principles of sanitation that are necessary to preserve their health.

4. As the members of the league who have tuberculosis will receive help from the league, it is believed that all, or nearly all who have the disease, will make the fact known to the officers of the league in order to receive this help. As the by-laws of these leagues contemplate a cooperation on the part of the league with health officials and organizations interested in the prevention and cure of tuberculosis, the number and location of cases will be obtained that could not be had in any other way. In this way valuable statistics can be compiled and health officers enabled to take the necessary measures to prevent the spread of the disease.

5. The feature of printing sanitary information on the certificate of membership insures the reading of that information and its preservation where it can be frequently seen.

6. In addition to the advantages enumerated above, this plan provides means whereby the negro contributes to the care of the consumptives of his race, which at present he does not do to any great extent.

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7. As the payment of the small annual dues will give each member of the league the assurance of help in case he contracts tuberculosis, the payment of these dues will doubtless be regarded as a sort of insurance, and it is expected that it will prove a powerful incentive to join the league.

8. It is contemplated that the movement will extend to other States. It is the most comprehensive health movement of its kind that has ever been proposed, and it seems to promise great success. Aside from its educational features in regard to tuberculosis, the instruction in general sanitation and the agitation of the subject must of necessity produce beneficial results, and an improvement in the conditions under which the negro lives.

9. Any improvement in the health conditions among the negroes will also be beneficial to the white race. In the South, where the negroes are chiefly employed as cooks, nurses, house servants, etc., they are brought into intimate contact with the whites, and infection among the negro servants is liable to be communicated to the whites.

Proposed constitution and by-laws.

Form of constitution and by-laws suitable for state colored anti-tuberculosis leagues:

CONSTITUTION (STATE LEAGUE).

ARTICLE I. The name of this organization shall be the Colored Anti-Tuberculosis League of .....
(Name of State.)

ART. II. The objects of this league are to combat the spread of tuberculosis among the colored race, to better the condition of those who suffer from the disease, and to promote their recovery—

By the establishment of branch leagues in every colored church in the State.

By disseminating information (a) to those who may come in contact with the disease as to the prevention of its spread; (b) to those suffering from the disease as to the best treatment and means of help to promote their recovery; (c) to the public generally.

By teaching the colored race, and especially the children of that race, the principles of sanitation and their application to daily life.

By cooperating with the public health authorities and other organizations in measures adopted for the prevention and cure of the disease.

By the establishment of dispensaries and sanitoria for the treatment of colored consumptives, and also to secure better care of consumptives in their homes.

To promote the physical and moral improvement of the colored race.

ART. III. The meetings of this league shall be held at such times and places as may be directed by the by-laws.

BY-LAWS (STATE LEAGUE).

ARTICLE I.

Any colored person who shall pay $1 or more into the treasury of the State League or any of its branches may be enrolled as an active member for twelve months from the date of such payment.

SEC. 2. Any colored person who shall pay $25 into the treasury of the State League or any of its branches may be enrolled as a life member.

ARTICLE II.

The officers of this league shall be a president, one vice-president for each county in the State, a secretary, and a treasurer, who shall perform the usual duties of their respective offices.

SEC. 2. In addition to the usual duties of his office, each vice-president shall organize a branch of the State League in each colored church in his county.

SEC. 3. In the absence of the president the senior vice-president present shall perform the duties of the president.

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SEC. 4. There shall be an executive board consisting of the president and secretary, ex officio, and three other members. The duties of this board are administrative.

ARTICLE III.

The regular officers and members of the executive board shall be elected by ballot at the annual meeting of the league.

SEC. 2. All committees shall be appointed by the executive board and all vacancies shall be filled by the executive board.

ARTICLE IV.

The executive board shall appoint such committees as it may consider necessary for properly carrying on the work of the league.

ARTICLE V.

The annual meeting shall be held at such time and place as may be determined by the executive board, notice being given to each branch league not less than ten days before such meeting.

SEC. 2. The executive board may call, in like manner, special meetings of the league.

SEC. 3. The executive board shall meet as often as necessary, at the call of the president of said board.

ARTICLE VI.

These by-laws may be amended at any annual meeting by a majority vote of those present, provided that a notice of the amendment proposed be sent to each branch league with the call for the meeting.

CONSTITUTION (BRANCH CHURCH LEAGUES).

ARTICLE I.

The name of this organization shall be the.....
[Name of church.]
Branch of the Colored Anti-Tuberculosis League of.....
[Name of State.]

ARTICLE II.

Its object is to combat tuberculosis—

By dissemination of information in regard to the disease, the measures necessary to prevent its spread, and the best methods for the care and treatment of persons having the disease.

By improving the sanitary conditions under which our people live, and teaching the essential principles of general sanitation.

By giving practical assistance and encouragement to those suffering from tuberculosis in order that they may derive the greatest benefit from treatment, and to prevent spreading the disease.

By having simple lessons in sanitation taught in the schools and Sunday schools for colored children.

By the establishment of dispensaries and sanatoria where colored people may obtain advice and treatment for consumption and other diseases.

By cooperating with the public health authorities and other organizations in measures adopted for the prevention and cure of consumption.

ARTICLE III.

Meetings shall be held as directed by the by-laws.

BY-LAWS (BRANCH CHURCH LEAGUES).

ARTICLE 1.

Any colored person paying into the treasury of this league the sum of $1 will be enrolled as an active member for twelve months from the date of said payment.

Any colored person paying into the treasury of this league the sum of $25 will be enrolled as a life member.

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ARTICLE 2.

Each member upon the payment of the required dues shall be given a certificate of membership stating the period for which dues have been paid.

ARTICLE 3.

Each member of this league in good standing shall be entitled to wear a button bearing the words "Colored Anti-Tuberculosis League" with the double red cross.

ARTICLE 4.

The officers of this league shall be as follows: President, vice-president, secretary, treasurer, who shall perform the usual duties of their respective offices.

SEC. 2. There shall be an executive board consisting of the president and secretary, ex officio, and three other members.

SEC. 3. The executive board shall appoint all committees and administer all of the affairs of the league, making a report to the league at the annual meeting.

ARTICLE 5.

The officers, including the members of the executive board, shall be elected at the annual meeting to serve for one year, or until their successors are elected.

ARTICLE 6.

The following standing committees shall be appointed by the executive board to serve for one year: (*a*) Finance, (*b*) information, (*c*) sick, (*d*) sanitation, and such other temporary committees as may be necessary to carry on the work of the league.

ARTICLE 7.

The committee on finance shall audit the books of the treasurer once each month. No money shall be paid out of the treasury of the league except upon the order signed by each member of the finance committee, and such orders shall be held by the treasurer as subvouchers for his authority for making the expenditure.

The committee on information shall collect all practical information and disseminate it among members of the league on the cause and prevention of tuberculosis and other diseases, and such general sanitary information as may seem necessary to improve the health conditions of its members.

The committee on the sick shall visit any member who is reported to be sick and will ascertain if the said member is suffering from tuberculosis, evidence of which shall be a certificate from a reputable physician that the said member has, or probably has, tuberculosis.

When a member is found to be suffering from tuberculosis, all the facts, with the certificate of the physician, shall be reported to the executive board, with a statement of the needs of the member, and with the recommendation of the committee as to the kind of relief to be given by the league.

The committee on sanitation shall inform themselves regarding matters of sanitation, and especially the health laws of their respective communities, and endeavor to induce the members of the league to correct any violations of the said health laws, and the best sanitary practices. This committee shall especially urge the necessity for keeping open the windows of sleeping rooms and the admission of fresh air and sunlight, the avoidance of overcrowding, and especially try to stop the practice of sleeping with the head under the bed covering.

ARTICLE 8.

When it is known that a member has tuberculosis as provided in Article 7, and the facts are reported to the executive board, the said board will consider all the facts of the case and decide what assistance shall be given the said member.

ARTICLE 9.

The times and meetings of the league will be determined by the executive board. A notice of said meeting shall be given each member at least 5 days before the said meeting. It is provided that the annual meeting shall be held in the month of ——— for the election of officers, and other business, and that notices of such annual meeting shall be given each member at least 10 days before said meeting.

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ARTICLE 10.

These by-laws may be amended at any regular meeting of the league, provided that a notice of the proposed amendment be sent out with the call for the meeting. A majority vote is required to adopt an amendment.

PROPOSED CERTIFICATE OF MEMBERSHIP.

COLORED ANTI-TUBERCULOSIS LEAGUE

OF

.....
(Name of State.)

.....
(Name of the church branch league.)

This certifies that.....is a member in good standing of this League, and has paid all dues for one year from....., 19...

[SEAL.]

.....
President.

.....
Secretary.

Tuberculosis, or "Consumption," is caused by a germ too small to be seen by the naked eye. It is not an inherited, but a "catching" disease.

You can take it whether any member of your family ever had it or not.

It is spread chiefly by means of the discharges from the nose and throat of consumptives.

The germ is found in dust and elsewhere.

It gets into the lungs and causes consumption.

The germ destroys a part of the lungs, which is coughed up and spit out.

The spit of a consumptive contains many of these germs; therefore it is poisonous.

If the spit is destroyed by burning, the germs are killed.

Do not spit on sidewalks, floors, or walls. Catch the spit in a bottle or something else and burn it.

How to keep from taking consumption.

Live right. Go to bed early.

How to keep from taking consumption—Continued.

Do not dissipate.

Do not drink liquors.

Leave the windows of your sleeping room open at night, no matter how cold it is.

Keep warm by having enough bed clothes.

DO NOT SLEEP WITH YOUR HEAD UNDER THE BED COVERS.

Keep your feet dry. If they get wet change your shoes and stockings. It is better to go barefoot than to wear wet shoes and stockings.

If you have a cough, or are losing in weight, go to a doctor.

Do not sleep in a room with many other people.

Do not sleep with a consumptive.

Strong and healthy people are less liable to take consumption than the weak and sickly.

If you have consumption—

Catch all your spit and burn it.

Hold a piece of paper before your face when you cough or sneeze, and burn it.

If you have consumption—Continued.

Live out of doors as much as possible.

Sleep out of doors, or in a tent or shed.

If you must sleep in a house, open all the windows at night.

Air the room frequently in the day.

Sleep alone.

DO NOT SLEEP WITH YOUR HEAD UNDER THE BED COVERS.

Eat the best food you can get and a great deal of it. Milk, eggs, fats, and beef are best.

DO NOT TAKE "PATENT MEDICINES" OR LIQUORS.

Have your own knife, fork, plate, cup, spoon, glass, towel, etc. Do not wash them with the others. Keep them separate.

Do not try to treat yourself. Go to a good doctor and do just as he tells you.

Do not give up. Consumption can be cured if the patient is not too far gone.

If you have consumption—Continued.

Keep your house clean.

Keep your body clean.

Be clean and decent in your habits.

Let fresh air and sunlight into your rooms.

Do not live in dark and damp rooms.

Consumption taken early can be cured. If you think you may have it report the fact to your committee at once, and go to a doctor or a dispensary.

Observe all the health laws of your city, and report any violations of them and all insanitary conditions to the health officer.

Keep flies out of your house and off your food. They carry diseases.

Do not raise dust when sweeping.

Remove dust from furniture, etc., with a damp cloth.

Teach others these things and help to stop the spread of consumption.

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Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended May 15, 1909.

Sick inspected	1
Plague	0
Dead inspected	90
Plague	0
Premises inspected	2,215
Houses disinfected	72
Buildings condemned	8
Nuisances abated	294
Rats found dead	65
Rats trapped	2,438
Total rats taken	2,503
Rats identified:	
Mus norvegicus	1,781
Mus rattus	53
Mus musculus	601
Mus alexandrinus	28
Total	2,463
Rats identified as to sex:	
Male	857
Female	909
Total	1,766
Ground squirrels trapped	1
Gophers trapped	18
Rabbits trapped	2
Rats examined bacteriologically	1,558
Plague rats	0
Ground squirrels examined bacteriologically	1
Plague squirrels	0
Gophers examined bacteriologically	18
Plague gophers	0
Rabbits examined bacteriologically	2
Plague rabbits	0
Poisons placed	19,840

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended May 8, 1909.

Dead inspected	27
Plague	0
Premises inspected	308
Nuisances abated	23

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Necropsies held	1
Premises cleaned	23
Garbage can installed	1
Rats found dead	17
Rats trapped	640
Rats identified	711
Mus norvegicus	651
Mus rattus	1
Mus musculus	54
Mus alexandrinus	5
Rats examined bacteriologically	641
Plague rats	0
Mice examined bacteriologically	54
Plague mice	0
Poisons placed	33,265

POINT RICHMOND, CAL.

Week ended May 8.

Premises inspected	350
Nuisances abated	21
Rats found dead	14
Rats trapped	8
Rats examined bacteriologically	8
Plague rats	0
Poisons placed	5,250

ALAMEDA COUNTY, CAL.

Week ended May 8.

Dead inspected	47
Plague	0
Necropsies held	3

CONTRA COSTA COUNTY, CAL.

Week ended May 8.

Dead inspected	2
Plague	0
Ground squirrels shot	52
Ground squirrels examined bacteriologically	52
Plague squirrels	0
Ranches inspected	35
Ranches found free of ground squirrels	21
Rabbits shot	5
Rabbits examined bacteriologically	5
Plague rabbits	0

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports May 10:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended May 8, 1909.

Rats received	830
Rats necropsied	826
Plague rats found	0
Plague-infected rats to date	21

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STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*Los Angeles.*—Month of April, 1909. Estimated population, 275,000. Total number of deaths reported, 306, including enteric fever 1, scarlet fever 2, and 51 from tuberculosis. Cases of contagious diseases reported: Diphtheria 14, enteric fever 16, scarlet fever 85, and tuberculosis 80.

Stockton.—Month of April, 1909. Estimated population, 25,000. Total number of deaths, 13, including 2 from tuberculosis. Cases: Smallpox 1, and tuberculosis 2.

COLORADO.—Quarter ended March 31, 1909. Estimated population, 640,861. Total number of deaths, 2,948, corresponding to an annual death rate of 18.8 per 1,000 of population, including diphtheria 29, scarlet fever 51, measles 9, whooping cough 46, and 24 from enteric fever. Cases: Diphtheria 271, scarlet fever 571, smallpox 81, and enteric fever 94.

FLORIDA.—Report from the state board of health of communicable diseases for the week ended May 15, 1909, shows as follows: *Diphtheria*—Gainesville, Jacksonville, Ocala, and Tampa each 1 case. *Malaria*—Jacksonville 12, Tampa 14, Quincy 2, Crescent City and Lake Butler each 1 case. *Tuberculosis*—Jacksonville 10, Greenville, Lake Butler, Morriston, Palatka, and Pensacola each 1 case. *Enteric fever*—Jacksonville 1 case.

INDIANA.—Month of February, 1909. Total number of deaths, 3,444, corresponding to an annual death rate of 14.8 per 1,000 of the population, which is estimated at 2,732,549. Deaths from contagious diseases were: Tuberculosis 410, enteric fever 31, diphtheria 16, scarlet fever 6, measles 22, whooping cough 53. Cases: Smallpox 121 in 16 counties; enteric fever 68 in 30 counties; diphtheria 54 in 22 counties.

KANSAS—*Atchison.*—Two months ended May 1, 1909. Estimated population, 16,691. Total number of deaths, 51, including diphtheria 1, enteric fever 1, whooping cough 1, and 7 from tuberculosis. Cases: Smallpox 5, scarlet fever 7, tuberculosis 7, diphtheria 7, enteric fever 2, and whooping cough 1.

MINNESOTA.—Month of January, 1909. Estimated population, 1,979,658. Reports to the state board of health show as follows: Total number of deaths, 1,582, including diphtheria 63, enteric fever 19, scarlet fever 15, whooping cough 9, smallpox 1, and 190 from tuberculosis. Deaths reported from state institutions during the month numbered 25, including enteric fever 1, diphtheria 1, and 9 from tuberculosis.

Month of February, 1909. Total number of deaths, 1,522, including tuberculosis 150, diphtheria 36, scarlet fever 19, smallpox 2, whooping cough 10, and 20 from enteric fever. Deaths reported

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from state institutions during the month numbered 30, including enteric fever 1, and 7 from tuberculosis.

NEBRASKA—*Lincoln.*—Month of April, 1909. Estimated population, 60,000. Total number of deaths, 51, including 6 from tuberculosis. Cases: Diphtheria 7, scarlet fever 2, measles 39, and smallpox 24.

NEW JERSEY—*Perth Amboy.*—Four months ended April 29, 1909. Estimated population, 28,000. Total number of deaths, 147, including diphtheria 2, whooping cough 2, and 14 from tuberculosis. Cases: Scarlet fever 21, measles 57; diphtheria 16, smallpox 30, and tuberculosis 11.

OHIO—*Columbus.*—Month of March, 1909. Estimated population, 190,000. Total number of deaths, 204, including enteric fever 1, measles 1, scarlet fever 1, and 34 from tuberculosis. Cases: Diphtheria 7, scarlet fever 14, whooping cough 6, measles 45, enteric fever 10, and tuberculosis 45.

Month of April, 1909. Total number of deaths, 171, including enteric fever 2, and 24 from tuberculosis. Cases: Diphtheria 7, scarlet fever 13, whooping cough 12, measles 107, smallpox 2, enteric fever 8, and tuberculosis 62.

OREGON.—Month of January, 1909. Reports to the state board of health from 34 counties show as follows: Total number of deaths, 418, including tuberculosis 30, enteric fever 8, and 10 from diphtheria. Cases: Tuberculosis 9, enteric fever 34, diphtheria 87, scarlet fever 38, measles 52, and smallpox 84.

Month of February, 1909. Total number of deaths, 419, including tuberculosis 39, enteric fever 12, and 6 from diphtheria. Cases: Tuberculosis 10, enteric fever 21, diphtheria 71, scarlet fever 54, measles 101, and smallpox 35.

SOUTH CAROLINA—*Charleston.*—Month of April, 1909. Estimated population, 57,593 (white 27,925, colored 29,668). Total number of deaths, 106, including 13 from tuberculosis. Cases: Enteric fever 1, scarlet fever 2, and diphtheria 3.

TENNESSEE—*Nashville.*—Month of April, 1909. Estimated population, 127,723. Total number of deaths, 179, including enteric fever 1, whooping cough 1, diphtheria 1, and 29 from tuberculosis. Cases: Scarlet fever 8, smallpox 3, enteric fever 2, diphtheria 2, and pulmonary tuberculosis 9.

VIRGINIA—*Newport News.*—Month of April, 1909. Estimated population, 28,749. Total number of deaths 26, including 2 from tuberculosis. Cases: Scarlet fever 1, and diphtheria 2.

WASHINGTON—*Seattle.*—Month of March, 1909. Estimated population, 276,000. Total number of deaths not reported. Deaths from contagious diseases were: Scarlet fever 4, diphtheria 1, enteric fever 2, and 13 from tuberculosis. Cases: Smallpox 4, scarlet fever 37, diphtheria 18, enteric fever 6, tuberculosis 16, and measles 33.

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Month of April, 1909. Total number of deaths not reported. Deaths from contagious diseases were: Enteric fever 1, scarlet fever 1, diphtheria 3, measles 1, and 9 from tuberculosis. Cases: Smallpox 4, enteric fever 2, scarlet fever 59, diphtheria 21, measles 83, and tuberculosis 21.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to May 28, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Autauga County	Feb. 27–Apr. 5	11		
Prattville	Feb. 27–Apr. 5	3		
Dallas County	Feb. 20–Apr. 12	12		
Selma	Feb. 28–Apr. 12	26		
Jefferson County—				
Birmingham	Mar. 1–31	10		
Mobile County—				
Mobile	Jan. 12–Apr. 17	8		
Montgomery County—				
Montgomery	Mar. 13–Apr. 2		2	
Tuscaloosa County				86 cases year 1908.
Total for State		70	2	
Arizona:				
Winslow	May 1–3	1	1	
Total for State		1	1	
Arkansas:				
Allbrook	Jan. 1–Mar. 25	40		
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		148		
California, general	Nov. 1–Mar. 31		5	
Berkeley	Apr. 18–24	1		
Los Angeles	Dec. 6–May 15	23	1	
Oakland	Nov. 1–Apr. 26	18		
Sacramento	Nov. 1–May 15	62		
San Francisco	Dec. 13–May 15	33		
Stockton	Nov. 1–May 1	13		
Total for State		150	6	
Colorado, general	July 1–Feb. 23	57		
Archuleta County	July 1–Dec. 31	1		
Boulder County	Mar. 1–31	2		
Chaffee County	July 1–Mar. 31	2		
Clear Creek County	Mar. 1–31	1		
Conejos County	Mar. 1–31	2		
Denver County—				
Denver	July 1–Mar. 31	18		
Douglas County	July 1–Dec. 31	5		
Fremont County	July 1–Dec. 31	1		
Garfield County	Mar. 1–31	3		
Huerfano County	July 1–Mar. 31	12		
Larimer County	July 1–Dec. 31	1		
Las Animas County	Mar. 1–31	5		
Logan County	Mar. 1–31	3		
Mesa County	Mar. 1–31	2		
Morgan County	July 1–Mar. 31	13		
Phillips County	July 1–Dec. 31	4		
Pueblo County	Mar. 1–31	38		
Weld County	July 1–Mar. 31	20		
Total for State		190		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
District of Columbia:				
Washington	Dec. 28–Apr. 17	11		
Total for District		11		
Georgia:				
Bibb County—				
Macon	Mar. 14–May 10	27		
Cobb County	Jan. 16–Feb. 7	8		
Paulding County	Jan. 16–Feb. 7	15		
Total for State		50		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Mar. 31	233		
Delta	Feb. 1–28	40		
Fayville	Feb. 1–28			Present.
Thebes	Jan. 1–Feb. 28	6		
Bureau County—				
Ladd	Nov. 1–30	4		
Carroll County—				
Savanna	Feb. 1–Mar. 31	3		
Cass County	Feb. 1–Mar. 31	4		
Champaign County	Mar. 1–31	1		
Christian County—				
Edinburg	Feb. 1–Mar. 28	27		
Taylorville	Aug. 1–Mar. 31	55		
Clinton County—				
Boulder	Feb. 1–28	1		
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–May 8	11		
Fayette County	Mar. 1–31	3		
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		
Fulton County—				
Canton	Jan. 1–Feb. 28	55		
Cuba	Jan. 1–31	1		
Farmington	Mar. 1–31	25		
Lewiston	Jan. 1–Mar. 31	26		
Norris	Feb. 1–Mar. 31	19		
Jackson County	Feb. 1–21	2		
Murphysboro	Jan. 1–Mar. 31	70	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–Mar. 31	2		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–May 15	11		
Lake County	Mar. 1–31	1		
Waukegan	Feb. 2–20	3		
Livingston County	Feb. 1–28	3		
McLean County—				
Bloomington	Jan. 1–Mar. 31	14		
Macon County	Feb. 1–Mar. 31	7		
Decatur	Jan. 1–Mar. 31	20		
Macoupin County		21		
Benld	Feb. 15–18	2		
Palmyra	Dec. 25–Jan. 20	4		
Scottsville	Dec. 25–Jan. 20	12		
Madison County—				
Alton	Mar. 1–Apr. 30	3		
Marion County—				
Centralia	July 1–Jan. 20	53		
Kinmundy	Mar. 1–31	2		And vicinity.
Odin	Jan. 1–31	1		
Sandoval	Jan. 1–Mar. 31	3		
Mason County	Jan. 1–Mar. 31	12		Present in Bath, Havana, and Quiver townships.
Massac County—				
Metropolis	Jan. 1–Mar. 31	6		
Mercer County	Jan. 1–31	1		In North Henderson township.
Montgomery County	Jan. 1–31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases	Deaths.	Remarks.
Illinois—Continued.				
Morgan County—				
Jacksonville	Feb. 5-11	1		
Peoria County—				
Elmwood	Mar. 1-31	2		
Peoria	Dec. 20-Apr. 30	77		Present in Glasford and in Timber and Trivoli townships.
Pope County—				
Eddyville	Feb. 1-28			Present in vicinity.
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-Mar. 31	18		
Mound City	Jan. 1-31	7		Feb. 28, still present.
Randolph County—				
Percy	Jan. 1-Mar. 31	40		
Preston	Mar. 1-31	6		
St. Clair County	Feb. 1-Mar. 31	16		
Belleville	Dec. 4-Feb. 28	15		
Mascoutah	Jan. 1-31	1		
Millstadt	Jan. 1-Feb. 28	2		
Saline County—				
Eldorado	Jan. 1-Feb. 28	4		
Harrisburg	Mar. 1-31	8		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Springfield	Mar. 20-May 21	22		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Stephenson County—				
Freeport	Feb. 1-28	9		
Tazewell County	Jan. 1-Mar. 31			Present in Elm Grove, Green Valley, and Groveland townships.
Pekin	Jan. 1-Mar. 31	53		
Washington	Mar. 1-31	1		
Vermilion County—				
Danville	Jan. 11-May 16	84		
Rankin	Feb. 1-28	1		
Williamson County—				
Bush	Mar. 1-31	6		
Carterville	Jan. 1-Mar. 31	17		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-Mar. 31	19		
Woodford County—				
Roanoke	Mar. 1-31	3		
Total for State		1,287	1	
Indiana:				
Allen County	Dec. 1-Mar. 31	2		
Fort Wayne	Jan. 10-May 8	9		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Mar. 31	5		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-Mar. 31	36		
Cass County	Jan. 1-31	1		
Clay County	Oct. 1-31	8		
Clinton County	Feb. 1-Mar. 31	20		
Dearborn County	Oct. 1-Feb. 28	15		
Decatur County	Jan. 1-Mar. 31	9		
Delaware County	Dec. 1-Jan. 31	61		
Muncie	Mar. 27	1		
Elkhart County	Oct. 1-Mar. 31	20		
Elkhart	Jan. 17-Mar. 6	8		
Floyd County	Feb. 1-28	1		
Fountain County	Feb. 1-28	19		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-Mar. 31	6		
Grant County	Dec. 1-Jan. 31	7		
Union	Feb. 6	5		
Greene County	Jan. 1-31	1		
Hamilton County	Dec. 1-Mar. 31	30		
Harrison County	Dec. 1-Jan. 31	11		
Hendricks County	Nov. 1-Dec. 31	5		
Henry County	Jan. 1-Feb. 28	12		
Howard County	Jan. 7-Feb. 28	9		
Jennings County	Feb. 1-Mar. 31	11		
Johnson County	Feb. 1-Mar. 31	2		
Kosciusko County	Mar. 1-31	11		
Laporte County	Feb. 1-28	6		
Madison County	Oct. 1-Jan. 31	6		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-May 9	9		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Miami County	Dec. 1–Jan. 31	8		
Montgomery County	Feb. 1–28	2		
Noble County	Jan. 1–31	11		
Posey County	Feb. 1–28	3		
Rush County	Dec. 1–Feb. 28	43		
Shelby County	Dec. 1–31	1		
Spencer County	Dec. 1–Feb. 28	3		
St. Joseph County	Dec. 1–Feb. 28	32		
South Bend	Mar. 23–May 15	8		
Sullivan County	Oct. 1–31	2		
Tippecanoe County	Oct. 1–Feb. 28	91		
Lafayette	Dec. 15–May 3	66	1	
Tipton County	Nov. 1–Jan. 31	4		
Vanderburg County—				
Evansville	Jan. 10–May 15	11		
Vermilion County	Mar. 1–31	4		
Vigo County	Oct. 1–Dec. 31	7		
Wabash County	Nov. 1–Dec. 31	4		
Warren County	Dec. 1–Feb. 28	38		
Warrick County	Feb. 1–28	1		
Wayne County	Nov. 1–Mar. 31	17		
Wells County	Feb. 1–28	58		
White County	Mar. 1–31	14		
Total for State		780	1	
Iowa, general	July 1–Sept. 30		2	
Burlington	Jan. 1–31	1		
Cedar Rapids	Mar. 1–May 1	15		
Council Bluffs	July 1–May 16	36	2	
Davenport	Apr. 12–May 9	3		
Dubuque	Oct. 1–Jan. 31	87	1	
New Hampton	Feb. 26	8		
Sioux City	Apr. 1–30	1		
Total for State		151	5	
Kansas:				
Allen County	Jan. 1–Mar. 31	11		
Atchison County	Mar. 1–31	9		
Atchison	Dec. 20–Mar. 31	6		
Barton County	Nov. 1–30	7		
Bourbon County	Nov. 1–30	1		
Brown County	Nov. 1–Mar. 31	56		
Butler County	Feb. 1–Mar. 31	7		
Chautauqua County	Feb. 1–Mar. 31	19		
Cherokee County	Jan. 1–Mar. 31	30		
Clark County	Mar. 1–31	5		
Crawford County	Jan. 1–Mar. 31	9		
Pittsburg	Nov. 1–Mar. 31	130		
Decatur County	Jan. 1–Mar. 31	12		
Doniphan County	Mar. 1–31	15		
Douglas County	Mar. 1–31	3		
Finney County	Feb. 1–28	2		
Ford County	Jan. 1–Mar. 31	4		
Franklin County	Dec. 1–Mar. 31	4		
Greenwood	Feb. 1–Mar. 31	24		
Harvey County	Nov. 1–Mar. 31	6		
Jackson County	Nov. 1–Mar. 31	106		
Jefferson County	Dec. 1–Mar. 31	23		
Jewell County	Dec. 1–Mar. 31	30		
Labette County—				
Parsons	Jan. 1–Mar. 31	11		
Lane County	Jan. 1–31	4		
Lincoln County	Mar. 1–31	1		
Lyon County	Feb. 1–28	8		
McPherson County	Jan. 1–31	1		
Marion County	Mar. 1–31	1		
Marshall County	Jan. 1–Mar. 31	4		
Mitchell County	Feb. 1–28	2		
Montgomery County	Nov. 1–Mar. 31	20		
Nemaha County	Dec. 1–Feb. 28	3		
Ness County	Mar. 1–31	5		
Osage County	Feb. 1–Mar. 31	39		
Osborne County	Mar. 1–31	4		
Phillips County	Dec. 1–Mar. 31	9		
Pottawatomie County	Nov. 1–Mar. 31	70		
Pratt County	Dec. 1–31	20		
Rawlins County	Mar. 1–31	20		
Reno County	Nov. 1–Jan. 31	4	1	
Republic County	Mar. 1–31	3		
Riley County	Nov. 1–30	2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Rooks County	Jan. 1-31	3		
Saline County	Nov. 1-Mar. 31	57		
Sedgwick County	Feb. 1-Mar. 31	9		
Wichita	Mar. 7-May 15	21		
Shawnee County	Nov. 1-Mar. 31	120		
Topeka	June 7-Apr. 3	128		
Sheridan County	Dec. 1-Jan. 31	11		
Smith County	Feb. 1-Mar. 31	8		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Mar. 31	11		
Thomas County	Jan. 1-31	2		
Wallace County	Jan. 1-31	2		
Wabaunsee County	Jan. 1-Mar. 31	8		
Wilson County	Nov. 1-30	5		
Wyandotte County— Kansas City	Jan. 3-May 15	70		
Total for State		1,206	1	
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Berea	Feb. 1-Apr. 2	20		
Covington	Dec. 29-May 22	37		
Fulton	Feb. 1-Mar. 22	27		
Georgetown	Dec. 2-Mar. 4	31		
Henderson		7		Jan. 1-June 30, 1908.
Lexington	Dec. 28-May 15	51		
Newport	July 1-May 15	72	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24-May 15	56		
Total for State		510	2	
Louisiana:				
Alexandria	Feb. 1-28	9		
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20-May 1	44		Mainly imported.
Shreveport	Jan. 1-20	32	1	
Winnfield	Jan. 1-Mar. 24	33		And vicinity.
Total for State		148	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-May 15	95		
Total for State		146		
Maryland	Mar. 18-21	10		House of Correction, Bridewell.
Baltimore	Jan. 30-Feb. 6	1		
Total for State		11		
Massachusetts:				
Boston	Mar. 14-20	2		
Haverhill	Mar. 14-20	1		
Lawrence	Mar. 7-13	1		
New Bedford	Jan. 30-Mar. 13	3	1	
Somerville	May 16-22	1		
Total for State		8	1	
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31	1		
Ingham County— Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County— Grand Rapids	Jan. 24-Apr. 24	3		
Lapeer County	Dec. 1-31	2		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-May 8	20		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Mar. 27	7		
Wexford County	Dec. 1-31	2		
Total for State		89		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 30-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Apr. 24	100		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicollet County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Nov. 1-Mar. 31	200		
Renville County	Dec. 1-7	1		
St. Louis County—				
Duluth	Nov. 9-May 20	29		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Waseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-31	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-Feb. 28	8		
Yellow Medicine County	Oct. 20-26	1		
Total for State		489		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-May 8	22		
Kirksville	Nov. 1-Jan. 31	96		
Liberty	Jan. 15-Mar. 11	20		
Rich Hill	Dec. 5-31	4		
St. Joseph	Dec. 1-Apr. 3	2		
St. Louis	Dec. 20-May 8	31		
Springfield	Nov. 1-Feb. 28	3		
Total for State		178		
Montana:				
Beaverhead County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cascade County	Nov. 1-Mar. 31	14		
Great Falls	Apr. 25-May 1	1		
Chouteau County	Jan. 1-Feb. 28	4		
Dawson County	Dec. 31-Mar. 31	21		
Fergus County	Dec. 31-Mar. 31	35		
Flathead County	Nov. 1-30	1		
Gallatin County	Nov. 1-Mar. 31	26		
Bozeman	Nov. 1-Mar. 31	19	1	
Granite County	Jan. 1-Mar. 31	7		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Montana—Continued.				
Jefferson County	Nov. 1-30	4		
Lewis and Clark County	Mar. 1-31	1		
Madison County	Dec. 1-31	2		
Meagher County	Mar. 1-31	1		
Missoula County	Jan. 1-31	12		
Missoula	Jan. 1-Feb. 28	5	1	
Park County	Jan. 1-Mar. 31	17		
Powell County	Jan. 1-Feb. 28	15		
Ravalli County	Nov. 1-Mar. 31	19		
Sanders County	Jan. 1-Feb. 28	11		
Silverbow County	Nov. 1-Mar. 31	20	1	
Butte	Mar. 16-May 4	45		
Yellowstone County	Nov. 1-30	1		
Billings	Jan. 1-Mar. 31	2		
Total for State		286	3	
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1-Apr. 30	46		
Polk	Mar. 20-Apr. 23	14		And vicinity.
South Omaha	Dec. 20-Apr. 10	15		
Total for State		76		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
West Lebanon	Jan. 15-Feb. 7	2		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21-May 8	16		
Haddonfield	Mar. 26-27	2		
Hightstown	Mar. 3	1		
Lodi	Apr. 15	1		
New Brunswick	Mar. 7-Apr. 5	7		
Paterson	Mar. 16-Apr. 2	8		
Perth Amboy	Mar. 4-Apr. 29	30		
Plainfield	Mar. 7-Apr. 10	6		
Trenton	Apr. 25-May 1	2	1	
Woodbridge	Mar. 6-26	1		
Total for State		74	1	
New York, general	Nov. 1-Mar. 31	232	2	Including Amsterdam Bridgeport, Broome, Cicero, Gardiner, and Middleburg.
Buffalo	Feb. 14-Mar. 20	4		
Little Falls	Apr. 10-May 8	4		
Mohawk Valley			1	Year 1908.
New York	Feb. 21-Apr. 3	6	1	
Niagara Falls	Feb. 7-May 1	2		
Rome	Jan. 1-31	1		
Schenectady	Feb. 7-13	1		
Syracuse	Jan. 9-31	3		
Total for State		253	4	
North Carolina:				
Ashe County	Jan. 1-31	7		
Bertie County	Nov. 1-Feb. 28	3		
Camden County	Jan. 1-Feb. 28	50		
Catawba County	Nov. 1-Dec. 31	4		
Craven County	Feb. 1-28	2		
Currituck County	Nov. 1-Jan. 31	34		Present in February.
Duplin County	Dec. 1-Feb. 28	68		
Edgecombe County	Dec. 1-31	1		
Forsyth County	Feb. 1-28	18		
Harnett County	Feb. 1-28	16		
Johnston County	Nov. 1-Feb. 28	19		
Jones County	Jan. 1-31	3		
Lee County	Feb. 1-28	10		
Lenoir County	Dec. 1-Feb. 28	60		
Lincoln County	Dec. 1-31	1		
Madison County	Jan. 1-Feb. 28	7		
Martin County	Feb. 1-28	9		
Mecklenberg County— Charlotte	May 8-14	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Nash County	Jan. 1–Feb. 28	2		
New Hanover County—				
Wilmington	Jan. 22–Mar. 1	4		Imported.
Pasquotank County	Nov. 1–Feb. 28	129		
Pitt County	Jan. 1–31	2		
Rowan County	Feb. 1–28	1		
Sampson County	Jan. 1–Feb. 28	31		
Scotland County	Jan. 1–31	6		
Warren County	Feb. 1–28	3		
Wayne County	Jan. 1–Feb. 28	27		
Total for State		518		
North Dakota	July 1–Feb. 19	168		
Ward County	Jan. 12–Mar. 31	27		
Sherwood	Jan. 12–Mar. 31	46		
Total for State		241		
Ohio, general	June 14–Jan. 2	337		
Ashtabula	Apr. 11–May 8	11		
Cincinnati	Dec. 12–May 14	250	1	
Cleveland	Feb. 28–Apr. 30	6		
Columbus	Dec. 26–May 8	17		Revised. 3 cases additional in Sept. and Oct.
Conneaut	Mar. 1–Apr. 29	3		
Dayton	Jan. 24–Feb. 20	5		
Massillon	May 10–16	1		
Newark		3		Year 1908.
Sandusky	May 9–15	1		
Tiffin	Jan. 3–23	2		
Toledo	May 2–8	1		
Warren	May 2–8	1		
Total for State		638	1	
Oregon:				
Clackamas County	Sept. 1–Feb. 28	6		
Columbia County	Jan. 1–31	6		
Harney County	Sept. 1–30	1		
Hood River County	Jan. 1–31	4		
Jackson County	Oct. 1–Dec. 31	9		
Lane County	Dec. 1–31	10		
Linn County	Sept. 1–Oct. 31	5		
Marion County	Sept. 1–Feb. 28	16		
Multnomah County	Dec. 1–31	5		
Portland	Nov. 1–Mar. 31	100		
Polk County	Sept. 1–Feb. 28	14		
Tillamook County	Oct. 1–31	1		
Umatilla County	Sept. 1–Jan. 31	9		
Wallowa County	Oct. 1–Feb. 28	8		
Washington County	Oct. 1–Feb. 28	39		
Yamhill County	Sept. 1–Feb. 28	19		
Total for State		252		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18–Jan. 20	3		
New Castle	Feb. 1–28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 10–May 21	2		
Pittsburg	Dec. 13–19	1		Imported.
Prompton	Jan. 2–Feb. 10	3		
Total for State		12		
South Carolina:				
Winnsboro	Feb. 1–28	5		
Yorkville	Mar. 10–Apr. 26	14	8	And vicinity.
Total for State		19	8	
South Dakota:				
Aberdeen	May 1–Jan. 31	43		
Total for State		43		
Tennessee:				
Fayette County	Dec. 1–Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28–May 15	39		
Memphis	Jan. 1–Mar. 13	190	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Tennessee—Continued.				
Murfreesboro	Mar. 15-31	1		
Nashville	Dec. 20-May 8	46		
Polk County	Jan. 22	30		
Total for State		609	1	
Texas:				
Corpus Christi	Apr. 2			Present.
Cost	Oct. 1-Dec. 19			Do.
Cotulla	Jan. 25-Feb. 17			Do.
Denton County	Jan. 1-Feb. 8	9		Including Justin and Roanoke
El Paso	Feb. 10-Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1-Apr. 30	28		
Galveston	Mar. 6-Apr. 16	8		
Goliad County	Dec. 1-Jan. 20	25		
Hidalgo County	Jan. 30-May 1	16		
Houston	Jan. 1-Mar. 27	9		
Laredo	Dec. 26-Mar. 19	6		
Monthalia	Oct. 1-Dec. 19			Present.
Oak Forest	Oct. 1-Dec. 19			Do.
San Antonio	Dec. 13-May 8	95		
San Augustine County	Jan. 5			Do.
Total for State		472	1	
Utah:				
Beaver County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cache County	Jan. 1-Mar. 31	69		
Davis County	Nov. 1-Mar. 31	38		
Emery County	Feb. 1-28	4		
Garfield County	Dec. 1-Mar. 31	44		
Millard County	Jan. 1-Mar. 31	9		
Salt Lake County	Dec. 1-Mar. 31	170		
Salt Lake City	Dec. 1-Apr. 30	371	1	
Sanpete County	Dec. 1-Mar. 31	3		
Sevier County	Jan. 1-Mar. 31	88		
Summit County	Dec. 1-Feb. 28	32		
Utah County	Dec. 1-Mar. 31	2		
Weber County	Nov. 1-Feb. 28	18		
Total for State		851	1	
Vermont:				
Brattleboro	Dec. 5-Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor Township	Jan. 23	2		
White River Junction	Jan. 4-Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lithia	Mar. 1-Apr. 28	100		And vicinity.
Lynchburg	Jan. 10-30	3		Imported.
Norfolk	Feb. 5-17	3		On tug E. W. Marts.
Port Royal	Dec. 28-Jan. 14	3		
Portsmouth	Apr. 21-May 18	5		
Richmond	Mar. 14-May 1	3	1	Death in county hospital.
Total for State		118	1	
Washington:				
Bellingham	Jan. 25-Mar. 23	10		
Camas	Dec. 29-Mar. 8	18		
Colville Indian Reservation	Feb. 15-Apr. 6	118	3	
Seattle	Oct. 1-Apr. 30	26		
Spokane	Dec. 6-May 8	36	1	
Tacoma	Dec. 14-Apr. 4	69		
Total for State		277	4	
West Virginia:				
Charleston	Jan. 1-31	1		
Moundsville				Present in January.
St. Albans	Feb. 16-Apr. 12	19		
Weston	Jan. 15-Feb. 13	1		
Wheeling	May 9-15	1		
Total for State		22		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin:				
Adams County	July 1–Sept. 30	3		
Ashland County	Oct. 1–Dec. 31	4		
Barron County	July 1–Dec. 31	41		
Buffalo County	Oct. 1–Dec. 31	1		
Chippewa County	July 1–Dec. 31	28		
Columbia County	Oct. 1–31	18		
Dane County	July 1–Sept. 30	1		
Dodge County	July 1–Sept. 30	1		
Douglas County	July 1–Dec. 31	49		
Superior	Apr. 25–May 1	3		
Dunn County	July 1–Dec. 31	4		
Fond du Lac County	July 1–Dec. 31	6		
Green County	July 1–Dec. 31	4		
Iron County	July 1–Sept. 30	2		
Juneau County	Oct. 1–Dec. 31	2		
Kewaunee County	July 1–Sept. 30	1		
La Crosse County—				
La Crosse	Dec. 13–May 8	50		
La Fayette County	Oct. 1–Dec. 31	1		
Manitowoc County	Oct. 1–Dec. 31	33		
Manitowoc	Dec. 13–Feb. 27	14		
Marathon County	July 1–Sept. 30	2		
Milwaukee County—				
Milwaukee	Dec. 6–May 15	196		
Monroe County	July 1–Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6–Apr. 17	3		
Ozaukee County	July 1–Sept. 30	3		
Pierce County	July 1–Dec. 31	37		
Polk County	July 1–Dec. 31	4		
Racine County	Oct. 1–Dec. 31	1		
Racine	Mar. 21–Apr. 10	6		
Richland County	Oct. 1–Dec. 31	1		
Rusk County	July 1–Sept. 30	3		
Sheboygan County	July 1–Dec. 31	123		
St. Croix County	Oct. 1–Dec. 31	12		
Vernon County	Oct. 1–Dec. 31	6		
Total for State		675		
Grand total for the United States		11,267	46	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox see special table.]

Cities.	Week ended—	Population United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	May 15	38,973	12	1	1			4		3		1			
Ann Arbor, Mich	do	14,509	5	2				1				1		7	
Appleton, Wis	do	15,085	4	1	1										
Ashtabula, Ohio	do	12,949	3												
Baltimore, Md	do	508,957	168	25	24	6	1	5	1	17		138	1	14	2
Bath, Me	do	10,477						1				3			
Bayonne, N. J	do	32,722		1				3	1	3	1	5			
Beaver Falls, Pa	do	13,000										1			
Berkeley, Cal	May 1	13,214	9					1				2			
Do	May 8	13,214	4		1		1	1				1		1	
Biddeford, Me	May 15	16,145	9												
Biloxi, Miss	do	5,467	2												
Binghamton, N. Y	do	38,647	22	1											
Boston, Mass	do	560,892	214	42	22	4		39	3	34	3	98	3	4	
Braddock, Pa	do	15,654	7	1	1			3		1		1		1	

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Bradford, Pa	May 15	15,029	6					1							
Bridgeport, Conn	do	70,996	19	3	1	1		4	1	4		5			
Brockton, Mass	do	40,063	16	1	1			1	1	1	1	9			
Butler, Pa	May 12	10,853	3					1							
Cambridge, Mass	May 15	91,886	33	11	10			12		4		8		3	
Camden, N. J	do	75,935	31	1		1		8		4	1	6			
Camden, S. C	do	2,441										5			
Carbondale, Pa	do	13,536	3									5			
Charlotte, N. C	May 14	18,091	12		1	1		3				19	1		
Chelsea, Mass	May 15	34,072	5	1				1				5			
Chicago, Ill	do	1,698,575	569	57	80	23	3	121	4	90	8	462	6	38	4
Chicopee, Mass	do	19,167	13							1	1	1	1		
Cincinnati, Ohio	May 14	325,902	108	12	18	2		3		4		18		1	
Cleveland, Ohio	do	381,768	143	31	10	10	2	19	2	9		127	2	16	2
Clinton, Mass	May 15	13,667	3												
Columbus, Ga	do	17,614	5												
Columbus, Ohio	do	125,560	44	6	6	2		2				29		2	
Concord, N. H	May 8	19,632	13	2	2							111			
Council Bluffs, Iowa	May 16	25,802	6		1	2	1			1					
Covington, Ky	May 15	42,938	14		4	1		1							
Danville, Ill	May 16	16,534	8					1		1		2			
Davenport, Iowa	May 9	35,254				2				2		1			
Do	May 16	35,254								4		1		1	
Dayton, Ohio	May 15	85,333	29		7					2		50			
Detroit, Mich	do	285,704	130					17		6	1				
Duluth, Minn	May 13	80,000	30		2			21	1	11		37	1		
Dunkirk, N. Y	May 15	11,616	5	1				2	1						
Elmira, N. Y	do	35,672	7		1	1		1	1	1		23			
El Paso, Tex	May 18	15,905	31	2	7	2	1					2		1	
Elkhart, Ind	May 15	15,184	6					2							
Erie, Pa	do	52,733	25	2		1	1	5		1	1	87	5	9	2
Evansville, Ind	do	59,007	17	4	2	1		1		1		2			
Everett, Mass	do	24,336	5	2				2				3			
Fall River, Mass	do	104,863	39	13	2	1		3		4		2			
Findlay, Ohio	do	17,613	6		1										
Fort Wayne, Ind	May 8	45,115	11		1			1				6			
Do	May 15	45,115	13		2			3		2					
Galesburg, Ill	do	18,607	8					1		2	2				
Galveston, Tex	May 14	37,789	9	3	2	1	2								
Glens Falls, N. Y	May 15	13,543	4		1			1		1		10			
Gloucester, Mass	do	26,121	11												
Grand Rapids, Mich	do	87,565	29		5	2		20		1		4		5	
Greensboro, N. C	do	10,035	5												
Hammond, Ind	do	12,376	3			1						5			
Harrison, N. J	do	10,596	6	1	1			3		1					
Hartford, Conn	May 2	79,850	37	3	5			2		5					
Do	May 9	79,850	45	6	3			5			1				
Do	May 16	79,850	32		5	1		2		4					
Haverhill, Mass	May 15	37,175	13	3				3		5		6		3	1
Hoboken, N. J	do	59,364				1		1				4		1	
Homestead, Pa	May 14	12,554	3			1						8			
Hyde Park, Mass	May 15	13,244	3					3				1			
Indianapolis, Ind	May 16	169,164	56	7	5	1		4		1		67		2	3
Jacksonville, Fla	May 15	28,429	22		1	2	1								
Jersey City, N. J	May 16	206,433	88		9	1		15	1	15	2	16			1
Kalamazoo, Mich	May 8	24,404	18	1	1							10		2	
Do	May 15	24,404	11	1	3			2				9		6	
Kansas City, Kans	do	51,418	27		3	1		2				27			
Kansas City, Mo	do	163,752	69		7			11	2	8	1	22			
Kearny, N. J	do	10,896	3					1		1	1	1			
Kingston, N. Y	do	24,535	9										1		
Knoxville, Tenn	do	32,637	16	2	2							9			
La Crosse, Wis	do	28,895	15		1										
La Fayette, Ind	May 17	18,116	8		1			2				4			
Lancaster, Pa	May 15	41,459	8	21		1		6		2		12			
Lawrence, Mass	do	62,559	24	1	6	2		2				66	1		
Leavenworth, Kans	May 1	20,733	4	2				1		1					
Lebanon, Pa	May 15	17,628	7	1		1				2	1	3			
Lexington, Ky	do	26,369	15		1		1	2				1			
Los Angeles, Cal	May 8	102,479	64	7	12	6	2	16	1	7		2			
Lowell, Mass	May 15	94,969	32	8	2	3		3		3	1	1			

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
McKeesport, Pa	Apr. 10	34,227	13	1		2		3		4		4		7	
Do	Apr. 17	34,227	17	2	2	1	2			1	1			6	1
Do	Apr. 24	34,227	8	1	1	1		1		1				3	1
Do	May 1	34,227	17	1	2	1				2	1	1		12	
Macon, Ga	May 16	22,746									1				
Malden, Mass	May 15	33,664	6					3		1		7		1	
Manchester, N. H	do	56,987	33	5	5	1		3		3		3			
Manitowoc, Wis	do	11,786	1												
Marinette, Wis	do	16,195	4	1	1			2		1					
Massillon, Ohio	May 16	11,944	4					2							
Medford, Mass	May 15	18,244	9	1	1			1	2	1		1			
Melrose, Mass	do	12,962	4					1		1		1			
Milwaukee, Wis	May 8	285,315	104	15	8	9	1	33	3	20	7	51	1	1	
Do	May 15	285,315	103	12	9	7	1	42	7	13	1	67		2	
Mobile, Ala	do	38,469	26		3	6									
Montclair, N. J	do	13,962	6					1				2			2
Montgomery, Ala	May 14	30,346	12		1										
Moline, Ill	May 16	17,248	7					3				4			
Morristown, N. J	May 15	13,000	4					2		1		29			
Mount Vernon, N. Y	do	21,228	8	1		1									
Muncie, Ind	do	20,942	7		2									1	
Nanticoke, Pa	May 16	12,616	4					2		2		22			
Nashville, Tenn	May 15	80,865	38	1	6	1		2		2					
Nebraska City, Nebr	do	7,200	1									5			
Newark, N. J	do	246,070			14	1	1	45	3	12	2				
New Bedford, Mass	do	63,442	36	2	5			3		1		4		1	
Newburyport, Mass	do	14,478	4	1				1							
New London, Conn	do	17,548	12		2	1		1						2	
New Orleans, La	do	278,104	138	23	21	5	2	62	7	6					
Newport, Ky	do	28,301	10		1		1	1							
Newton, Mass	do	33,587	11	2						1		44			
New York, N. Y	do	3,437,202	1,484	550	176	56	4	338	38	318	32	1,578	32	111	14
Niagara Falls, N. Y	do	19,457	12	1	1	2	1	3		1		2			
Norristown, Pa	do	22,265	3			1		1		1		7			
North Adams, Mass	do	24,200	8	1						2		1			1
Oakland, Cal	May 10	66,960	40	1	4			2		4	1	3			
Orange, N. J	May 15	24,141	7	3				10		5		1			
Paducah, Ky	May 8	19,446	8	4	1										
Do	May 15	19,446	6												
Palmer, Mass	do	7,801	1					1							
Peekskill, N. Y	do	10,358	4					1				6			
Philadelphia, Pa	do	1,293,697	445	93	60	79	9	67	4	86	11	335	10	19	3
Pittsburg, Pa	do	321,616	173	69	12	14	1	12		3	2	16		46	4
Pittsfield, Mass	do	21,766	4		1							1			
Plainfield, N. J	do	15,369	4	1	1	1		2		1					
Plymouth, Pa	do	13,649		2				1		3		2		1	
Portsmouth, N. H	do	10,637			1	1		1		1		1			
Portsmouth, Va	May 11	17,427	6		2										
Do	May 18	17,427	11												
Pottstown, Pa	May 15	13,696	4				1	1							
Providence, R. I	do	175,597	69	10	13	2		7	1	3		5	1		
Racine, Wis	do	29,102	5	2	2										
Reading, Pa	May 17	78,961	37		2	3		5	2	3					
Richmond, Va	May 15	85,050	36	5	4	4				2				1	
Rock Island, Ill	do	19,493	5		1										
Sacramento, Cal	do	29,282	10		2	2								3	
St. Louis, Mo	do	575,238	211	56	29	2		17	2	27	2	484	4	7	
Salem, Mass	do	35,956	19	4				3							
San Francisco, Cal	May 8	342,782	136	24	19	2	2	14		10	2	65		22	
San Jose, Cal	May 1	21,500	6	1	1										
Do	May 8	21,500	5												
Schenectady, N. Y	May 15	31,682	8	1				1		1		2			
Shamokin, Pa	do	18,202	5	1	1	1		2		2		18			
Somerville, Mass	do	61,643	21	4	3	1		10		8		24			
South Bend, Ind	do	35,999	10	9	3	1		3							
South Bethlehem, Pa	do	13,241	9		1		1					12	1	1	
Springfield, Ill	May 14	34,159	17					1		1					
Springfield, Mass	May 15	62,059	27		5					4	1	21		2	
Springfield, Ohio	do	38,253	8	1						1		2			
Steelton, Pa	do	12,068	4		1					2					
Superior, Wis	do	31,091	19					7		2					

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population United States census, 1900.	Total deaths from all causes.	Cases and deaths.											
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Tacoma, Wash	May 9	37,714	7		1			5		2		1			
Taunton, Mass	May 15	31,036		1	1			8				7			
Terre Haute, Ind	May 8	36,673	22		2				1			1			
Do	May 15	36,673	21		2							1			
Tiffin, Ohio	...do	10,898				1						1			
Titusville, Pa	...do	8,244	3					1							
Toledo, Ohio	Mar. 27	131,822	26		3	7		4		2		4			
Do	Apr. 3	131,822	46		7	7	2	5		3		5			
Do	Apr. 10	131,822	33		2	5		2		4		2			
Do	Apr. 17	131,822	36		7	1		2		2	1	7			
Do	Apr. 24	131,822	58		10	3	2	3		5		4			
Do	May 1	131,822	10		1	1		4		2	1	12			
Do	May 8	131,822	41		4	1	1	3		5	1	9			
Do	May 15	131,822	48		8	2	1	2		5	1	2			
Trenton, N. J	...do	73,307		8	5	4	1	3		1					
Walla Walla, Wash	...do	10,049	3					1				1			
Waltham, Mass	...do	23,481	8	4				1				15		3	
Washington, D. C	...do	278,718	99	50	12	11		23		7		74		17	
Weymouth, Mass	...do	11,324	5		1										1
Wheeling, W. Va	May 8	38,878	14	2	2	1	1	1				19	1		
Do	May 15	38,878	14	3		1	1			1		14			
Wichita, Kans.[a]	Apr. 17	24,671						2				48			
Do	May 15	24,671						3				45			
Wilkes Barre, Pa	May 14	51,721	15	4				3		6		53			
Williamsport, Pa	May 15	28,757	9		1			3		1		1			
Wilmington, Del	May 8	76,508	22		5										
Do	May 15	76,508	16		1										
Winona, Minn	May 18	19,714	2												
Woburn, Mass	May 15	14,254	3	2											
York, Pa	...do	33,708		1				1				1			
Zanesville, Ohio	...do	23,538	11			6									

[a] Reported out of date.

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FOREIGN AND INSULAR.

ARGENTINE REPUBLIC.

Programme of International Congress of Medicine and Hygiene.

The following is received from the secretary of the executive committee of the congress, under date of February, 1909:

The International American Congress of Medicine and Hygiene of 1910 will take place in the city of Buenos Aires, Argentine Republic, in the month of May, 1910, under the patronage of His Excellency the President of the Republic. The congress will be international American in character, the governments and scientific men of the three Americas being invited.

The members of the congress will be physicians, pharmaceutical chemists, dentists, veterinary surgeons, engineers, architects, and all other professional men connected with the several sections of the congress or who shall express to the executive committee their adhesion to the congress. This should be done in writing. Adhesion can also be obtained by the payment of $5 in gold, which insures the receipt at a later period of the publications and reports of the congress.

The papers to be presented at the congress will be received only up to January 1, 1910. If more convenient the titles accompanied by extracts of the papers will be received in order to facilitate the timely organization of the sections.

The official languages will be Spanish, French, Portuguese, and English.

The secretary of the congress, whose address is, "Faculty of Medicine, Buenos Aires, Argentina," will send on request bulletins, programmes, forms of membership, etc., and all particulars relating to the congress.

SECTIONS.

1. Biological and fundamental medicine. Bacteriology, general and experimental pathology, descriptive, topographical, and pathological anatomy, physiology, embryology, histology, and parasitology.
2. Medicine and clinics. Medical, therapeutical, semiological, pedriatrical, nervous and mental clinic, criminal anthropology, epidemiology, dermatology, and syphilology.
3. Surgery and its clinics. Surgical clinic, oto-rhino-laringological clinic, infantile surgery, ophthalmology, gynæcology, and genito-urinaria.
4. Public hygiene. Public hygiene, demography, sanitary organization, legal medicine, international sanitary prophylaxis, industrial hygiene, naval medicine and surgery, scholastic hygiene, tuberculous demography, tuberculosis statistics, and social defence.
5. Pharmacy and chemistry.

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6. Sanitary technology.
7. Veterinary police. Contagious diseases. Veterinary medicine.
8. Dental pathology.
9. Exhibition of hygiene.

PROJECT OF THE EXHIBITION OF GENERAL HYGIENE FOR 1910.

[Copy of the general programme, to be supplemented by the regulations and the detailed programme with the classification of the exhibition and of the exhibits.]

The general exhibition of hygiene will be opened in the city of Buenos Aires in May, 1910.

This exhibition of hygiene will be universal as regards the exhibits in connection with hygiene and international as regards representation.

It will be divided with reference to representation and competition for prizes in the following manner:

1. National competition.
2. International Latin-American competition.
3. General competition.

The competitors in the national competition will be the exhibitors of the Argentine Republic with exhibits produced and manufactured exclusively in the country.

The competitors in the International Latin-American competition will be those of all the Latin-American nations with exhibits produced or manufactured exclusively in their respective countries.

The competitors in the general competition will be those of all the other nations of the world and of the Argentine Republic and the other Latin-American nations which in an especial way manifest their desire to compete.

The competitors of the Argentine Republic with exclusively national products and those of Latin America in the same conditions will receive the necessary space for their installations covered and free of charge. The installations will be at their own expense.

The competitors of the other nationalities will receive the space necessary for their installations free of charge and in case they need covered space such will be at their own expense.

The exhibition will be eminently practical and will occupy an extensive site, with easy and frequent access, sufficient for all the installations and customary accessories in these exhibitions.

The exhibition will close on the ——— of 1910 and within the following forty days the exhibition premises must be evacuated.

AUSTRALIA.

Report from Newcastle—Further relative to plague case imported from Sydney.

Consul Killmaster reports, April 5:

There is one case of bubonic plague at this port. This case originated at Sydney. The patient came to Newcastle to work as a rat catcher for the city council. He had previously been engaged in cleansing operations in the plague area in Sydney, and had been thus employed where a large number of plague rats were found, and where several fatal cases of the disease originated. He has been in the isolation ward of the Newcastle hospital since March 18 last and has now almost recovered.

In reply to an inquiry from this consulate the medical health officer of the port of Newcastle writes, under date of April 2, 1909, that the plague patient at present in the Newcastle hospital fell ill within twenty-four hours after his arrival at Newcastle from Sydney.

(See Public Health Reports, May 21, 1909, p. 691.)

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BARBADOS.

Report from Bridgetown—Inspection of vessels—Status of yellow fever—Inspection of port sanitary conditions by Chief Quarantine Officer of the Canal Zone.

Acting Assistant Surgeon Urquhart reports, May 8:

Week ended May 8, 1909. Bills of health were issued to 6 vessels, with a total number of 92 passengers and 229 members of crews.

No new cases of yellow fever were reported this week. The last case was isolated April 28. The last fatality occurred March 15.

Surg. J. C. Perry, chief quarantine officer, Canal Zone, has been here all the week, inspecting the sanitary conditions of this port. I went with him over the poorer quarters of the town, along the public highways, alleys, and back premises of the poorer classes. To-day, in company with the chairman of the parochial board of health, we went to the worst districts of the town, as well as to 2 houses of the better classes where there had been yellow fever. With one exception all the premises were found clean and free from larvæ of *Stegomyia calopus* or other variety. The party upon whose premises the larvæ were found was reported to the authorities by the official who accompanied us, and will be fined.

BRAZIL.

Reports from Rio de Janeiro—Inspection of vessels—Mortality—Plague, smallpox, and yellow fever—Epidemic smallpox in Santiago, Chile.

Acting Assistant Surgeon Stewart reports, April 15 and 29:

Two weeks ended April 10. Vessels inspected and received bills of health: April 1 the British steamship *Swedish Prince*, for New Orleans, with coffee, no passengers, and no change in personnel; on the same date the Russian bark *Borrowdale* for Pascagoula, in stone ballast, no passengers, and 4 new members of the crew, signed on here; April 2 the British steamship *Byron*, for New York, with 31 cabin and 28 steerage passengers from this port, and with no change in the crew, and with a cargo of coffee; April 3 the British steamship *Hillmere*, for some southern port via West Indies, in water ballast, with no passengers and no change in the crew personnel; April 5 the German steamship *Seigmund*, for New York, with 17 cabin and 19 steerage passengers, and no change in the crew and with cargo of coffee; and April 7 the British steamship *Chaucer*, for New Orleans, with cargo of coffee, with no passengers and no change in the crew personnel.

Mortality, Rio de Janeiro—Plague and smallpox.—Week ended April 4. Estimated population, 1909, 811,443. Total deaths, 272. No cases nor deaths due to yellow fever or plague. Smallpox caused 8 deaths with 9 new reported cases, of which number 2 were in the suburban zone. At the close of the week there were in the hospital, São Sebastião, 32 cases of smallpox and 2 cases of plague under treatment.

Week ended April 11. Total deaths, 254. No deaths nor cases due to yellow fever. Plague had 2 new reported cases with no deaths.

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Smallpox caused 5 deaths with 13 new reported cases, of which number 1 was in the suburban zone. At the close of the week there were in the hospital São Sebastião, 32 cases of smallpox and 2 cases of plague under treatment.

Two weeks ended April 25. Vessels inspected and received bills of health: April 15 the British steamship *Malinhead*, in water ballast, for some southern port via West Indies for disinfection, with no passengers and no change in the personnel of the crew; April 17 the Brazilian steamship *Goyaz*, in coffee cargo, for New York, and with general cargo for Brazilian ports en route, with 43 cabin and 42 steerage passengers for New York and north Brazilian ports, and with a new crew taken on here, all of whom were vaccinated or revaccinated; April 20 the British steamship *Italian Prince*, for New York, in coffee cargo, with no passengers and no change in the personnel of the crew. No other vessels left this port for United States ports during the period under report.

Mortality—Plague, smallpox, and yellow fever.—Week ended April 18. Total deaths, 257. Smallpox caused 5 deaths, with 12 new reported cases, of which number 4 were reported from the suburban zone. There was 1 new case of plague reported with no deaths; no cases of yellow fever and no deaths occurred in the city. At the close of the week there were in the hospital São Sebastião, 32 cases of smallpox under treatment, and 3 cases of plague under observation.

Week ended April 25. Total deaths, 255. One case of yellow fever was reported during the week, with no deaths. This is the first case occurring here for the past year. Smallpox caused 8 deaths with 10 new reported cases, of which number 1 was in the suburbs of the city. No cases nor deaths due to plague were reported. At the close of the week there were in the hospital São Sebastião 1 case of yellow fever, 24 cases of smallpox, and 2 cases of plague under treatment.

Smallpox epidemic in Santiago, Chile.—Press despatches of April 27, from Santiago, Chile, state that smallpox is present in the suburbs of the city to an alarming extent and is of a most virulent character.

CHINA.

Report from Amoy—Leprosy, plague, and smallpox.

Passed Assistant Surgeon Foster reports, April 12:

Week ended April 10. No bills of health issued. Quarantinable diseases present in the port of Amoy: Leprosy, plague, and smallpox.

During the past week 2 deaths from smallpox occurred in the international settlement of Kulangsu.

COSTA RICA.

Reports from Limon, fruit port.[a]

Acting Assistant Surgeon Goodman reports:

Week ended April 17. Estimated population, 8,000. General sanitary condition of this port and the surrounding country during the week, good.

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[a] Received out of date.

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Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 10	Chickahominy	New Orleans	47	0	0
11	Limon	Boston	44	13	0
12	Prinz A. Wilhelm	New York	11	53	21
13	Nicoya	do	54	0	0
14	Cartago	New Orleans	89	11	27
16	Fort Morgan	Mobile	23	1	0
16	Barranca	New York	65	5	0

Week ended May 8. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of of crew.	Number of passengers from this port.	Number of passengers in transit.
May 1	Bertha	New Orleans	23	0	0
2	Limon	Boston	44	4	0
3	Siberia	New York	54	19	0
5	Cartago	New Orleans	89	21	66
6	Dictator	Mobile	20	0	0
7	Matina	New York	48	1	0

CUBA.

Report from Habana—Inspection of vessels—Work of the mosquito brigade—Stegomyia larvæ found—Antimalarial campaign organized for Oriente Province—Antituberculosis work proposed.

Passed Assistant Surgeon Amesse reports, May 18:

Week ended May 15.

Bills of health issued	30
Vessels inspected	21
Members of crews of outgoing vessels inspected	1,132
Passengers of outgoing vessels inspected	639

Reports from the mosquito brigade in Habana show that during the month of April 49,975 houses were inspected and 99 deposits of larvæ found, only 31 of which contained larvæ of the *Stegomyia calopus*.

The sanitary department is organizing an antimalarial crusade in the mining districts of Oriente Province, where pernicious forms of this disease are common, and where, in the past, the coexistence of yellow fever has seriously complicated diagnosis.

The campaign will be carried out on lines similar to those employed by Koch and his colleagues while working in Anam and Siam, but supplemented by the added knowledge of recent years. It is proposed to begin the general work of mosquito destruction at once, and follow it by educational measures.

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The tuberculosis league has submitted to the President a plan, approved by the sanitary department, to effectually minimize the ravages of pulmonary consumption. It is proposed to appoint 38 traveling inspectors and construct 9 modern tuberculosis hospitals, one at each of the 6 provincial capitals and others at Cienfuegos, Manzanillo, and Colon.

For the month of April there were reported 373 new cases, with a total of 7,511 under treatment.

Report from Santiago—Inspection of vessels—Leprosy still present.

Acting Assistant Surgeon Wilson reports, May 12:

Week ended May 8:

Bill of health issued to a vessel bound for the United States. No fumigation. No new quarantinable disease has been reported.

Among the contagious diseases existing last week were 3 cases of leprosy.

ECUADOR.

Report from Guayaquil—Fumigation of vessels—Plague and yellow fever.

Passed Assistant Surgeon Wightman reports, April 30, through Passed Assistant Surgeon Lloyd:

During the 2 weeks ended April 17, 3 steamships were fumigated.

Quarantinable disease was reported in Guayaquil for the same period as follows: For the week ended April 10, 8 new cases of plague, with 1 death; 16 new cases of yellow fever, with 7 deaths. For the week ended April 17, 22 new cases of plague, with 8 deaths; 20 new cases of yellow fever, with 3 deaths.

GERMANY.

Report from Berlin—Status of cholera in Russia.

The following is received from Consul-General Thackara, under date of May 10:

According to an official declaration published in the bulletin of the imperial health office, during the week ended April 17 there were registered in the city of St. Petershurg 29 cases of cholera, with 3 deaths, and during the week ended April 24, there were registered 19 cases, with 1 death.

Report on method of fumigation of vessels and destruction of rats in use at Hamburg.

The following is received, under date of April 14, from Passed Assistant Surgeon Victor G. Heiser, chief quarantine officer for the Philippine Islands, who recently visited Hamburg, Germany:

The following is a report on the system of fumigation of vessels in use at Hamburg for the destruction of rats and vermin:

A new and improved apparatus has been devised, which is believed to be thoroughly practical and economical, causing no damage to

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cargo and only slight delays to incoming vessels. Vessels having plague among the personnel and among the rats on board have repeatedly arrived at Hamburg, but there was no spread of the infection after the cases were isolated, and the rats and vermin destroyed by carbon gas.

Description of barge.—The hull is a steel vessel about 35 meters in length, with a beam of about 7 meters, and is about the type of hull used for tugboats in the large eastern ports of the United States. It has living quarters for a captain, a steam engineer, an electrician, 2 sailors, 1 fireman. It is provided with baths, electric-light plant, ventilators, and all other necessary installations usually found on board vessels of this size for the safety and comfort of the crew. One cabin is set aside for the storage of several sets of divers' helmets, resuscitating apparatus, and other first-aid medical appliances. The midship section is used for the carbon generator and occupies about one-fourth of the linear length of the vessel. Cost of barge, with generator, complete, about $32,500.

Description of apparatus.—It consists of (1) a furnace, or generator; (2) cooler and cleaner, or scrubber; a large iron cylinder through which the gases from the wet coke are forced from above; (3) exhauster, which draws the gas through the two parts named above and forces it to the place at which it is to be used; (4) pump, which forces the water that wets the coke; (5) engine, which drives the exhauster and pump. In order to supply the necessary power cheaply, there is placed between generator and scrubber a (6) boiler, the steam in which is partly generated by the drawing of the hot gases through its tubes.

The apparatus is built so that the closed spaces upon a ship can be filled with gas, and that after it has served its purpose the gas can be displaced by forcing into the spaces ordinary atmospheric air.

The present apparatus is an improvement over one previously built, in that in the old system the gas in the apparatus was under pressure and any small leakage might have resulted in accidents more or less serious, while in the new the gas in the apparatus is under a minus pressure, owing to improved arrangement of the exhauster.

Practical advantages.—The barge can be easily towed alongside of any vessel in the harbor. A large number of 15 c. m. hose, in 20-meter lengths, are conducted from the barge through the ventilators, or other convenient places in the ship to be fumigated. All openings are carefully sealed, and as the capacity of the apparatus is 3,000 cubic meters of gas per hour, even the very largest ships can be filled with gas in a few hours' time.

The gas is easily removed from ships by the ventilators, and by forcing into it, through the same hose which was used to introduce gas, fresh air, which readily displaces the gas.

The cost of material in generating gas is also very small, being only about 75 cents for sufficient coke to generate 1,000 cubic meters of gas, and $1.50 for the remainder.

Rats killed.—Since this system has been used, 21 plague-infected vessels have been fumigated, from which 4,230 dead rats were taken, of which 171, or 4 per cent, were infected. On these same vessels 481 dead mice were found, only 1 of which was plague infected. The smallest number of dead rats upon any one ship was 16, and the greatest 902.

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Character of cargo.—The cargo consisted of (*a*) bags: Coffee, cacao, flour of different kinds, rice, wheat, corn, beans, potatoes, nuts, etc.; (*b*) barrels and boxes: Wax, oil cake, rugs, metals, cigars, cigarettes, fresh fruits, raisins, senna, tripe, oak extract, oil, wine, etc.; (*c*) bales: Wool, hides, felt, tobacco, jute, rubber plants, cork, etc.; (*d*) in bulk: Wheat, rye, barley, corn, hides, horn. None of the foregoing cargo was damaged.

Composition of gas and time allowed to remain.—Carbon monoxide, 5 per cent; carbon dioxide, 18 per cent; nitrogen, 77 per cent.

The gas is allowed to remain in a ship for 2 hours, and from 7 to 8 hours are allowed for it to leave it.

Accidents.—So far there have been 3 fatalities with the method employed at Hamburg:

1. One individual remained in the coal bunkers after all the personnel was ordered ashore.
2. One individual smuggled himself aboard as a stowaway after the introduction of the gas was already under way.
3. One individual went aboard without permission.

Past and present methods employed to guard against accidents.—All of the crew are removed from the vessel. An engineer, a deck officer, and a sailor are left on the barge for the purpose of advising in case of need. Divers' helmets are always kept in readiness, so that the ship may be entered in case of necessity.

In the future it is purposed to add a very small percentage of sulphur dioxide to the gas, in order to give it an odor, so as to give warning to persons when they are in danger.

The superiority of the system described over the sulphur method depends on the fact that in quarantine practice vessels are constantly encountered which have cargoes of silk, camphor, tea, etc., which are damaged by sulphur gas, and the only way in which they can be fumigated with safety is to remove and replace the cargo, which is an expensive undertaking and a serious burden upon commerce.

GUATEMALA.

Reports from Puerto Barrios, fruit port—Water containers oiled—Stegomyia—Sanitary conditions at Guatemala City—General sanitary conditions.

Acting Assistant Surgeon Ames reports as follows:

Week ended May 1. Present officially estimated population, 350. General sanitary condition of this port and the surrounding country during the week, good.

Stegomyia calopus present. Water containers oiled. Eight hundred empty bottles collected and dumped into the sea.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 28	Belize	Mobile	18	1	0
29	Inge	New Orleans	32	5	3
May 1	Parismina	do	94	64	44

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Temperature taken of all persons on above-named vessels day of sailing.

Week ended May 8, 1909. General sanitary condition of this port and the surrounding country during the week, excellent.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 5	Preston	New Orleans	36	19	0
7	Frutera	New York via Republic of Panama.	26	1	0

Temperature taken of all persons on steamship *Preston* day of sailing.

Sanitary conditions at Guatemala City—General sanitary conditions in the Republic.

Doctor Ames further reports, May 8:

An inspection of Guatemala City was made May 8. The city is situated at an elevation of 4,878 feet and has a population of 100,000. No *Stegomyia calopus* were found, but *Culex pungens* were present. The smallpox hospital, which has a capacity of 510 beds, was closed April 25. The president of the board of health and chief sanitary officer reports general conditions excellent and no quarantinable disease present in the Republic.

HONDURAS.

Report from Ceiba, fruit port—Sanitary work not carried out.

Acting Assistant Surgeon Jumel reports:

Week ended May 12. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good.

No sanitary work other than the oiling of cesspools is carried out. Garbage, empty bottles, and old tin cans are scattered about the streets and beneath houses. Garbage carts few, and removal of garbage desultory.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
May 6	Orleanian	31	7	0	0
8	Bluefields	22	0	0	0
8	Joseph Vaccaro	33	5	0	0
10	Colombia	19	0	0	0
11	Viator	17	2	0	0
12	Bodo	17	0	0	0

Temperature of all persons on above-named vessels taken at time of clearance.

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Report from Puerto Cortez, fruit port.

Acting Assistant Surgeon Ames reports as follows:

Week ended May 11. Present officially estimated population, about 2,500. General sanitary condition of this port and the surrounding country, good. Mosquitoes abundant, chiefly *Anopheles; Stegomyia* present. No quarantinable disease.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
May 5	Mercator	18	4		
5	Agnella	18	1		
6	Habil	14			
10	John Wilson	17	3		
11	Fjell	17			
12	Utstein	16			
12	Bluffields				
12	Bodo	17			
12	Harry T. Inge	31	3		

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

Week ended May 1. Present officially estimated population, about 1,250. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 28	Bodo	Mobile	17	0	0
30	Rosina	New Orleans	31	1	0

Week ended May 8. General sanitary condition of this port and the surrounding country during the week, good.

Bill of health issued to the following-named vessel:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 4	Habil	New Orleans	14	0	0

INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, April 22:

Week ended April 17. No transactions.

Week ended April 10, 111 deaths from cholera, 85 from plague, and 197 from smallpox in Calcutta. In Bengal during the weeks ended

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April 3 and 10 there were, respectively, 390 cases and 344 deaths and 346 cases and 288 deaths from plague.

In India during the weeks ended April 3 and 10 there were, respectively, 5,722 cases and 4,684 deaths and 5,462 cases and 4,419 deaths from plague.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples—Status of smallpox in Italy—Smallpox among passengers for steamship Verona.

Assistant Surgeon Wollenberg reports, May 3:

Vessels inspected at Naples and Genoa week ended May 1.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Apr. 27	Cretic	New York	1,312	150	1,480
28	Carpathia	do			
29	Sannio	do	1,713	140	2,100
29	Madonna	do	1,184	130	1,350
30	Luisiana	do	1,218	120	1,350
30	Königin Luise	do	1,087	90	1,280
May 1	Verona	Philadelphia	1,641	150	2,250
1	Lombardia	New York	987	60	1,100
	Total		9,142	840	10,910

GENOA.

Apr. 28	Duca degli Abruzzi	New York	1,531	60	1,150

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Smallpox.	Other causes.	Total.
Apr. 27	Cretic	31	2	17	1		15	66
28	Carpathia							
29	Sannio	52	5	25			8	90
29	Madonna	17	3	2			13	35
30	Louisiana	30	4	11			8	53
30	Königin Luise	27	1	4			6	38
May 1	Verona	48	11	29		1	21	110
1	Lombardia	36	2	20			9	67
	Total	241	28	108	1	1	80	459

GENOA.

Apr. 28	Duca degli Abruzzi	19	1	11	1		8	40

Smallpox in Naples.—During the week ended May 2, 20 cases of smallpox with 1 death were reported at the health office of the city of Naples.

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A case of smallpox was discovered at the examination of steerage passengers for the steamship *Verona* May 1. The patient was transferred to the Cotugno hospital for contagious diseases. Twenty-two contacts were returned to the boarding house in which all had been lodged and where they will be held under strict observation for 2 weeks. The persons have been vaccinated, and the boarding house has been disinfected.

Status of smallpox in Italy.—Week ended May 2. Cases: Vigevano (Pavia), 4; Tollo, 2; Chieti, 1; Oppido Mamertino, 1; Varapodio (Reggio Calabria), 4.

JAPAN.

Report from Yokohama—Inspection of vessels—Plague-infected rats—Fatal plague case at Kyoto.

Passed Assistant Surgeon Cumming reports, April 28:

Bills of health issued at this station during the week ended April 24 to 4 vessels having an aggregate personnel of 518 members of crews, 153 cabin and 569 steerage passengers.

During the week 4 plague-infected rats were found in the Ota district of this city. Plague-infected rats have been found there about this season of each year for several years past. The district is away from the water front and is inhabited by the poorest classes, many of the men working on vessels in the harbor as longshoremen.

During the week a Buddhist priest from a rural temple near Kobe died in Kyoto of plague. There was a large meeting of Buddhists from all over the Empire in Kyoto at the time and the authorities are taking stringent measures.

MEXICO.

Report from Coatzacoalcos—Inspection and fumigation of vessels.

Acting Assistant Surgeon Thompson reports, May 13:

Week ended May 12. Inspected 3 vessels, 2 of which were fumigated.

Report from Progreso—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Harrison reports, May 8:

Period from April 24 to May 7. Six steamships received bills of health. One was fumigated, 36 passengers and 22 members of crews having been inspected.

No quarantinable disease was reported here or elsewhere in Yucatan.

Report from Salina Cruz—Fumigation of vessel.

Acting Assistant Surgeon Gochicoa reports, May 10:

Week ended May 8. One vessel fumigated.

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Report from Tampico—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Stowe reports, May 13:

Week ended May 12.

Vessels inspected and passed	4
Bills of health issued	4
Members of crews inspected	118
Passengers inspected	5
Vessels fumigated	1

No cases of quarantinable diseases occurred during the period named. Sanitary condition of port good.

Report from Veracruz—No contagious diseases present—Smallpox at Puebla.

Acting Assistant Surgeon Carter reports, May 10:

Week ended May 9. No contagious diseases were reported during the week. At Puebla, about 12 hours' journey from Veracruz, smallpox is reported with a large number of deaths.

NICARAGUA.

Report from Bluefields, fruit port—Stegomyia—Sanitary conditions at Prinzapulca.

Acting Assistant Surgeon Layton reports:

Week ended May 5. Present officially estimated population, 2,500. General sanitary condition of this port and the surrounding country during the week good.

There is a scarcity of rainwater, and therefore of drinking water. Recent showers were insufficient to insure against water famine. *Stegomyia* are present in considerable numbers.

Bill of health issued to the following-named vessel:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 1	Marietta di Georgio	New Orleans	19	5	0

Temperature of all on board above-named vessel taken at hour of departure.

Conditions at Prinzapulca, Nicaragua.—During the week I visited the village of Prinzapulca, on the Caribbean Sea, 90 miles north of Bluefields. All passengers from the Pis Pis goldfields for the United States must pass through Prinzapulca on their way here for embarkation.

Communication between Bluefields and Prinzapulca is maintained by a weekly schooner service, and between Prinzapulca and the mines by pitpans up the Prinzapulca and Banbana rivers. The village is built on an extremely low, flat strip of land, only a few inches above

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the low sea and river level, and during the rainy season is constantly under water. Drainage is impossible. Filth and drift from the river and sea strand there and remain, without any attempt at removal. The town faces on the north, the south bank of the Prinzapulca; on the east, the Caribbean Sea; on the south and west, long stretches of swampy country. The population numbers at present about 250 negroes, Indians, Spaniards, and white foreigners. The drinking water supply consisted, at the time of my visit, of one half-empty cistern reserved for foreigners, and a few half-dry wells, the water in which was unfit for use. Dysentery and malaria are wide-spread in the small community. Mosquitoes are reported to be numerous. Larvæ were found in great quantities in nearly every water container, and included many of the *Stegomyia calopus*.

PHILIPPINE ISLANDS.

Reports from Manila—Smallpox—Status of cholera in the provinces—Quarantine against plague-infected ports in China—Inspection of vessels.

Chief Quarantine Officer Heiser reports, March 29 and April 13:

Week ended March 27[a]. Quarantinable disease reported for the city of Manila: Smallpox, 8 cases.

Cholera cases and deaths reported to the bureau of health during the week:

Province.	Cases.	Deaths.
Bohol	32	20
Capiz	29	13
Pampanga	5	4
Cagayan	2	.....
Negros Occidental	61	7
Total	129	44

Quarantine against plague-infected ports in China.—In view of the appearance of plague in more or less epidemic form in the coast cities of China, it was deemed advisable to enforce this year the same regulations which have obtained heretofore with regard to the arrival of steerage passengers from Amoy and vicinity.

During the week consular bills of health were issued at the port of Manila as follows: March 26, the British steamship *Schuylkill*, with 48 in crew and 1 passenger, en route from Cebu to Boston and New York, was granted a supplemental bill of health after the usual inspection of personnel and cargo; March 26 the American barkentine *S. N. Castle*, copra laden, with 12 in crew, granted a bill of health for San Francisco. All persons on board inspected at the hour of sailing; March 27 the German steamship *Tringganu*, with 60 crew and 1 passenger, en route from Singapore to Zamboanga, granted a supplemental bill of health.

Week ended April 10. Smallpox, 27 cases, 1 death.

[a] Received out of date.

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Cholera cases and deaths reported from the provinces of the Philippines.

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Bohol	9	7	Cagayan	59	41
Capiz	8	8	Sorsogon	30	20
Cebu	7	4			
Pampanga	1	1	Total	116	82
Rizal	2	1			

Consular bills of health issued at the port of Manila as follows:

April 6, the British steamship *Aymeric*, with 34 crew, en route from Newcastle to Cebu, granted a supplemental bill of health. April 7, the British steamship *Otterburn*, with 36 crew, en route from Newcastle to Iloilo, granted a supplemental bill of health. April 7, the British steamship *Cranley*, with 47 crew, en route from Norfolk to Cebu, granted a supplemental bill of health. April 10, the British steamship *Clan McInness*, with 60 crew, en route from Surabaya to San Pedro and San Francisco, Cal., granted a supplemental bill of health, after the usual inspection of personnel and cargo.

RUSSIA.

Report from Libau—Status of cholera in St. Petersburg—Typhus fever in Libau—Examination of emigrants.

Acting Assistant Surgeon De Forest reports, May 7:

Cholera in St. Petersburg from April 29 to May 6, inclusive: 12 cases and 4 deaths. During the past week 1 death from typhus fever occurred in Libau. No new cases.

The steamship *Estonia* sailed May 4 with 632 emigrants on board. All had been in Libau under observation for 5 days, and left here in good physical condition; 119 pieces of baggage disinfected.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Kimberly*.—Month ended April 10, 1909. Estimated population, 44,141. Total number of deaths, 60, including 1 from enteric fever.

ALGERIA—*Bona*.—Month of April, 1909. Estimated population, 42,000. Total number of deaths, 138, including smallpox 13, enteric fever 1, typhus fever 3, whooping cough 2, and 18 from tuberculosis.

ARGENTINA—*Buenos Aires*.—Month of January, 1909. Estimated population, 1,193,148. Total number of deaths, 1,461, including enteric fever 22, smallpox 1, measles 10, scarlet fever 2, whooping cough 2, diphtheria 7, leprosy 1, and 208 from tuberculosis.

Month of February, 1909. Total number of deaths, 1,142, including smallpox 2, enteric fever 26, scarlet fever 3, diphtheria 4, whooping cough 1, and 128 from tuberculosis.

AUSTRALIA.—Quarter ended December 31, 1908. Estimated population, 4,263,782. Total number of deaths, 10,958, including enteric fever 110, measles 28, scarlet fever 19, whooping cough 55, diphtheria 3, plague 1, leprosy 2, and 985 from tuberculosis.

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Newcastle district.—Month of February, 1909. Estimated population, 63,760. Total number of deaths, 46, including enteric fever 3, and 3 from tuberculosis.

BRAZIL—*Rio de Janeiro.*—Month of November, 1908. Estimated population, 827,669. Total number of deaths, 1,706, including enteric fever 4, smallpox 499, measles 15, scarlet fever 2, whooping cough 1, diphtheria 6, plague 14, leprosy 1, beriberi 3, and 277 from tuberculosis.

Month of December, 1908. Total number of deaths, 1,633, including enteric fever 9, smallpox 287, measles 8, whooping cough 3, diphtheria 7, plague 18, leprosy 3, beriberi 1, and 306 from tuberculosis.

São Paulo, Santos, and Campinas.—Two weeks ended March 28, 1909. Estimated population, 300,000. Total number of deaths, 342, including measles 4, enteric fever 5, diphtheria 2, whooping cough 1, and 34 from tuberculosis.

CANADA—*British Columbia—Vancouver.*—Month of April, 1909. Estimated population, 66,500. Total number of deaths, 54, including whooping cough 2 and 4 from tuberculosis. Cases: Smallpox 1, measles 80, scarlet fever 7, diphtheria 3, whooping cough 50, and enteric fever 5.

CUBA.—Month of January, 1909. Estimated population, 2,146,139. Total number of deaths, 2,218, including enteric fever 12, measles 9, scarlet fever 2, whooping cough 12, diphtheria 21, leprosy 4, and 295 from tuberculosis.

EGYPT—*Alexandria.*—Month of March, 1909. Estimated population, 420,000. Total number of deaths, 958, including smallpox 4, enteric fever 10, scarlet fever 25, diphtheria 18, measles 39, and 92 from tuberculosis.

FRANCE—*Calais.*—Month of April, 1909. Estimated population, 80,000. Total number of deaths, 120, including scarlet fever 3, enteric fever 1, measles 3, whooping cough 1, and 29 from tuberculosis.

Marseille.—Month of April, 1909. Estimated population, 517,498. Total number of deaths, 923, including diphtheria 9, enteric fever 21, smallpox 3, scarlet fever 3, whooping cough 1, measles 47, and 132 from tuberculosis.

GERMANY—*Bavaria—Munich.*—Month of March, 1909. Estimated population, 556,000. Total number of deaths, 1,020, including scarlet fever 14, enteric fever 1, measles 25, diphtheria 13, whooping cough 11, and 164 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended May 1, 1909, correspond to an annual rate of 14.5 per 1,000 population, which is estimated at 16,445,281.

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London.—One thousand three hundred deaths were registered during the week, including measles 81, scarlet fever 10, diphtheria 8, enteric fever 1, whooping cough 41, tuberculosis 137, and 12 from diarrhea. The deaths from all causes correspond to an annual rate of 14.0 per 1,000. In Greater London 1,879 deaths were registered. In the "outer ring" the deaths included 11 from measles, 3 from diphtheria, 3 from scarlet fever, and 5 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended May 1, 1909, in the 21 principal town districts of Ireland was 20.6 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Kilkenny, viz, 4.9, and the highest in Tralee, viz, 47.6 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended May 1, 1909, correspond to an annual rate of 16.9 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Glasgow, viz, 18.1, and the lowest in Greenock, viz, 13.0 per 1,000. The aggregate number of deaths registered from all causes was 605, including diphtheria 5, measles 2, scarlet fever 5, enteric fever 3, and 55 from whooping cough.

ITALY—*Genoa.*—Month of April, 1909. Estimated population, 279,163. Total number of deaths, 632, including diphtheria 5, enteric fever 2, measles 29, scarlet fever 8, and 40 from tuberculosis.

Turin.—Annual report for the year 1908. Estimated population, 381,439. Total number of deaths, 7,132, corresponding to an annual death rate of 18.7 per 1,000 of population, including scarlet fever 25, enteric fever 51, measles 94, diphtheria 74, whooping cough 20, and 1,090 from tuberculosis.

JAMAICA—*Kingston.*—Month of April, 1909. Estimated population, 52,065. Total number of deaths, 150, including enteric fever 8, and 16 from tuberculosis.

MALTA.—Four weeks ended April 24, 1909. Estimated population, 209,974. Total number of deaths, 307, including 18 from tuberculosis.

NEW ZEALAND—*Auckland.*—Month of February, 1909. Estimated population, 75,345. Total number of deaths, 75, including enteric fever 1, and 6 from tuberculosis.

Wellington.—Month of February, 1909. Estimated population, 73,697. Total number of deaths, 35, including 4 from tuberculosis.

Christchurch.—Month of February, 1909. Estimated population, 62,096. Total number of deaths, 42, including 3 from tuberculosis.

Dunedin.—Month of February, 1909. Estimated population, 61,279. Total number of deaths, 56, including diphtheria 2, and 6 from tuberculosis.

SIAM—*Bangkok.*—Month of March, 1909. Estimated population, 300,000. Total number of deaths not reported, including smallpox 18, and 4 from plague.

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Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to May 28, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15–Jan. 2	16	13	
China:				
Hongkong	Dec. 28–Jan. 16	2	2	
India:				
Bombay	Dec. 9–Apr. 27		270	
Calcutta	Nov. 1–Apr. 10		883	
Madras	Nov. 14–Apr. 9		61	
Negapatam	Oct. 31–Apr. 2		38	
Rangoon	Nov. 8–Apr. 17		86	
Indo-China:				
Cholen	Nov. 9–15	1	1	
Saigon	Mar. 1–6	2	2	
Persia:				
Tabriz	Oct. 9–Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1–Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1–Jan. 16	260	163	
Bataan	Nov. 1–7	1	1	
Bohol	Dec. 20–Apr. 10	541	266	
Bulacan	Nov. 1–Feb. 27	82	71	
Cagayan	Nov. 1–Apr. 10	175	108	
Capiz	Nov. 1–Apr. 10	1,525	864	
Cavite	Nov. 1–Feb. 20	110	81	
Cebu	Dec. 20–Apr. 10	34	19	
Ilocos Norte	Nov. 1–Jan. 16	335	235	
Ilocos Sur	Nov. 1–Jan. 2	207	140	
Iloilo	Nov. 1–Mar. 6	294	154	
Isabela	Jan. 24–30	2		
Laguna	Nov. 1–Mar. 6	119	81	
Leyte	Nov. 1–Mar. 6	158	125	
Negros Occidental	Nov. 1–Apr. 3	500	270	
Nueva Ecija	Feb. 14–20	1	1	
Palawan	Nov. 1–Dec. 19	10	5	
Pampanga	Nov. 1–Apr. 10	105	78	
Rizal	Nov. 1–Apr. 10	248	217	
Samar	Nov. 1–Mar. 13	196	223	
Sorsogon	Jan. 10–Apr. 10	133	88	
Surigao	Nov. 15–Jan. 12	7	4	
Union	Nov. 1–Jan. 12	12	8	
Zambales	Dec. 6–12	3	3	
Russia, general	Nov. 15–Apr. 24	4,051	1,781	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15–Jan. 23	34	13	
Bakoo	Nov. 22–28	3	2	
Batoon	Nov. 15–21	4	2	
Charkov	Dec. 6–Mar. 13	6	1	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Mar. 6	190	97	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7–Mar. 20	63	28	
Kherson	Nov. 15–Dec. 19	2		
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1		
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3		
Romanov-Borisoglyebsk	Mar. 10			Present.
Rybinsk	Mar. 13	7		
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of	Dec. 19–26	1		
Stavropol	Nov. 15–21	1		
St. Petersburg, government	Nov. 15–Mar. 19	35		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
St. Petersburg	Nov. 29–Apr. 24	2,338	714	May 6, still present.
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 23	102	48	
Toula	Feb. 21–Mar. 6	7	2	
Tver district	Nov. 15–Dec. 5	4		
Volgoda	Dec. 6–12	1		
Yelisavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–Dec. 5	1		
Straits Settlements:				
Penang	Feb. 27	1		From s. s. Sunki Maru.
Singapore	Nov. 8–Feb. 27		165	

YELLOW FEVER.

Barbados, general	Dec. 12–May 15	70	22	Including the parishes of St. Andrew, St. John, St. Joseph, St. Lucy, St. Michael, and St. Thomas.
Bridgetown	Dec. 12–Mar. 20	11		
Speightstown	Mar. 7	1		
Brazil:				
Bahia	Nov. 15–Apr. 17	179	69	
Manaos	Nov. 29–Apr. 3		16	
Para	Nov. 22–May 8		73	
Pernambuco	Nov. 15–Mar. 15		3	
Rio de Janeiro	Apr. 18–25	1		
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1–2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29–Apr. 24		125	
Martinique:				
Fort de France	Dec. 13–Mar. 6	5	1	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–Apr. 13	16	8	
San Bernardo plantation	Dec. 27–May 1	8	4	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Ticul	Feb. 1–Apr. 13	4	2	
Veracruz	Dec. 6–Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Arabia:				
Mascat	Apr. 16	1	1	From ss. Agrica.
Azores:				
Fayal	Apr. 1	1		Sept. 22–Mar. 31, 10 cases additional.
Terceira	Mar. 31–Apr. 1	17	6	
Australia:				
Brisbane	Nov. 1–7	1	1	
Newcastle	Mar. 1–31	1		
Sydney	Mar. 6–12	4	1	
Belgium:				
Antwerp	Apr. 11	3		In quarantine at Doeul from ss. Rubens.
Brazil:				
Bahia	Nov. 15–Mar. 27	60	27	
Para	Jan. 24–Feb. 6		2	
Pernambuco	Nov. 1–Dec. 31		10	
Rio de Janeiro	Nov. 16–Apr. 25	78	36	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Chile:				
Antofagasta	Feb. 28–Apr. 17	42		Apr. 3, 11 cases in lazaretto.
Arica	Mar. 9			Present.
Iquique	Jan. 1–Apr. 8	59	21	Year 1908, 133–70; Apr. 8, 17 cases in the lazaretto.
Magillones	Mar. 9–10	70		
Taltal	Feb. 11			Present.
China:				
Amoy	Mar. 6	1		Present Apr. 10, and present at Wuchang in September.
Canton	Mar. 6–20	35	25	
Changchew	Apr. 3			Epidemic.
Chinchew	Mar. 7–Apr. 3			Present.
Fukien Province, ChangPoo	Mar. 7–13		4	Epidemic.
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–Apr. 3	31	23	
Tamchou	Dec. 19			Vicinity of Hainan; present.
Tientsin	Oct. 18–Nov. 21			Feb. 16, again present.
Tongshan	Nov. 1–14			Present.
Ecuador:				
Babohoyo	Jan. 16–Mar. 27	5		
Guayaquil	Nov. 29–Apr. 24		100	
Milagro	Nov. 17–Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25–Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14–Jan. 20	4		
Port Said	Dec. 4–Apr. 14	2	1	
Suakim	Feb. 1	1		On ss. Hurlet II.
Provinces—				
Assiout	Dec. 2–Apr. 15	22	17	
Beherach	Nov. 24–Dec. 26	11	6	
Dakaklieh	Feb. 4–Mar. 20	6	6	
Galyoobeeyeh	Nov. 21–Feb. 2	3		
Garbieh	Nov. 27–Jan. 28	4	2	
Girgeh	Oct. 18–Mar. 14	8	8	
Fayoum	Nov. 23–Apr. 29	10	4	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Apr. 15	16	8	
German East Africa:				
Dar-es-Salaam	Oct. 10–Jan. 7	7	5	
Great Britain:				
Elstree	Feb. 3–4	1	1	At plague laboratory.
India:				
Bombay Presidency and Sind.	Nov. 2–Mar. 20	19,451	13,886	
Madras Presidency	Nov. 2–Mar. 20	1,101	789	
Bengal	Nov. 2–Mar. 20	4,731	3,946	
United Provinces	Nov. 2–Mar. 20	7,096	5,934	
Punjab	Nov. 2–Mar. 20	13,279	10,673	
Burma	Nov. 2–Mar. 20	4,783	4,530	
Central provinces, including Berar.	Nov. 2–Mar. 20	5,268	4,141	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Mar. 20	2,823	2,026	
Hyderabad State	Nov. 2–Mar. 20	616	509	
Central India	Nov. 2–Mar. 20	750	582	
Rajputana	Nov. 2–Mar. 20	2,757	2,513	
Kashmir	Mar. 14–20	5	2	
Grand total		62,665	49,534	
Indo-China:				
Cholen	Oct. 25–Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25–Apr. 10	31	27	
Japan:				
Amagasaki	Feb. 27			Present.
Awaji Island, Sumoto	Feb. 27			Do.
Formosa	Nov. 8–Apr. 10	484	391	Mainly in the central and south central part.
Kagi, prefecture	Jan. 16	5		
Hiogo, prefecture				Year 1908, 219 cases additional.
Kyoto	Apr. 24	1	1	
Kagoshima, prefecture	Feb. 6	1		From ss. Shinkochi Maru.
Kobe	Jan. 20–Apr. 21	8	6	3 cases from ss. Ghazee. Feb. 27, again present. Apr. 3, 1 case in vicinity.
Mikagi	Feb. 27			Present.
Nara, prefecture				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases. Feb. 28, still present.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Japan—Continued.				
Osaka	Dec. 22-Jan. 29	3	1	Year 1908, 59 cases additional. Case Jan. 29, on ss. Shinkochi Maru.
Tokushima, prefecture		1		Year 1908.
Yokohama	May 3	1	1	
Yura		116	83	Do.
Mauritius	Oct. 2-Jan. 31		115	
Peru:				
Arequipa, department	Feb. 19-Apr. 1	6	4	
Mollendo	Nov. 1-Feb. 18	1	5	
Cajamarca, department	Feb. 19-Apr. 8	60	38	
Cascas	Feb. 12-18	12	5	
Chota	Jan. 22-Feb. 18	8	8	
Callao, department	Feb. 19-Apr. 8	11	6	
Callao	Nov. 13-Feb. 18	18	11	Apr. 21, present.
Lambayeque, general	Feb. 19-Apr. 8	40	17	
Chiclayo	Nov. 13-Feb. 18	44	23	
Eten	Nov. 13-Dec. 31	11	10	
Jayanca	Feb. 4	12		
Lambayeque	Feb. 18-Mar. 4	6	5	
Motupe	Dec. 17-Jan. 14	2		
San Jose	Nov. 13-Dec. 3	2		
Zaña	Jan. 14-Feb. 18	4	2	
Libertad, department	Feb. 19-Apr. 8	56	19	
Casma	Feb. 4	1	1	
Chepen	Nov. 27-Feb. 18	19	6	
San Pedro	Nov. 13-Feb. 18	28	21	
Trujillo	Nov. 13-18	153	70	
Lima, department	Feb. 19-Apr. 8	25	7	
Chorrillos	Jan. 22-Feb. 4	2	2	
Lima	Nov. 13-Feb. 13	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15		
Piura, department	Feb. 19-Mar. 4	2	1	
Catacaos	Dec. 11-Feb. 18	7		
Paita	Dec. 11-17	3	2	
Piura	Dec. 11-Jan. 14	6	4	
Russia:				
Libau	Mar. 30-Apr. 5	1		
Siam:				
Bangkok	Sept. 27-Feb. 28	13	7	
Straits Settlements:				
Singapore	Nov. 30-Apr. 10	5	5	
Turkey in Asia:				
Bagdad	Nov. 6-Feb. 5	14	7	
Beirut	Dec. 17-Jan. 9	5	5	
Jiddah	Dec. 12-Apr. 25	178	160	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1-Apr. 30		113	
Bona	Jan. 1-Apr. 30	80	47	
Arabia:				
Aden	Nov. 25-Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1-Feb. 28		5	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1		
Austria:				
Bohemia	Jan. 31-May 1	9		
Galicia	Dec. 20-Apr. 10	10		
Silesia	Jan. 3-May 1	6		
Trieste	Mar. 21-27	1		
Barbados:				
Bridgetown	May 1	1		From s. s. Parima.
Brazil:				
Bahia	Nov. 15-Apr. 17	348	35	
Para	Feb. 14-Mar. 27	3	2	
Pernambuco	Nov. 1-Mar. 15		118	
Rio de Janeiro	Nov. 16-Apr. 25	1,417	698	
Santos	Nov. 1-Dec. 20		10	
São Paulo	Nov. 1-Mar. 14		59	
British Honduras:				
Stann Creek	Feb. 5-Mar. 10	6	1	32 miles south of Belize.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
British South Africa:				
Cape Town	Dec. 28–Mar. 13	5		
Durban	Mar. 20–27	1		
East London	Apr. 10–17	1	1	From s. s. Elleric.
Canada:				
British Columbia—				
Vancouver	Dec. 1–Apr. 30	8		
Victoria	Dec. 12–Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20–Jan. 20	6		
Ontario, Province, general	Dec. 1–31	118		
Hamilton	Jan. 17–23	1		
Toronto	Nov. 8–May 15	26		
Nova Scotia—				
Halifax	Dec. 13–May 15	81		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1–May 8	30		Revised.
Quebec—				
Montreal	Dec. 26–Jan. 2	1		
Ceylon:				
Colombo	Nov. 1–Apr. 17	198	4	Reports Dec. 19–Jan. 26 received out of date.
Chile:				
Concepcion	Jan. 15–31	1		
Santiago	Apr. 27			Epidemic in suburbs.
Talcaguana	Nov. 20–Jan. 28			Present in vicinity.
Valparaiso	Dec. 6–19	2		
China:				
Amoy, Kulangsu	Oct. 11–Nov. 8		2	Apr. 10, still present.
Canton	Mar. 6–27	65		
Hankau	Mar. 20			Present.
Hongkong	Jan. 3–Apr. 3	18	6	
Shanghai	Nov. 11–Apr. 4	6	6	3 cases Nov. 11–Dec. 28 from U. S. transport Seward.
Tientsin	Jan. 17–Feb. 27	10	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26–Apr. 3	5		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12–Feb. 25	737	164	
Alexandria	Nov. 26–Mar. 31	50	30	
Cairo	Nov. 19–Apr. 29	500	135	
Suez	Feb. 19–Mar. 6	27	2	
France:				
Marseille	Dec. 1–Apr. 30		5	
Nantes	Mar. 15–21	1		
Nice	Jan. 1–Feb. 28	2		
Paris	Nov. 22–May 1	62	3	
Toulon	Jan. 1–31	1		
Germany, general	Nov. 19–May 1	82		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Brunswick	Feb. 16–20	1		
Hamburg	Mar. 13	2		Among Russian emigrants.
Konigsberg	Jan. 9	1		
Gibraltar	May 2	1		
Greece:				
Athens	Nov. 22–Mar. 6		5	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–Apr. 10	30	7	
Cardiff	Apr. 3–10	1		
Dunbar	Mar. 21–27	1		From a vessel.
London	Feb. 1–6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25–Apr. 27		275	
Calcutta	Nov. 1–Apr. 10		3,096	
Madras	Nov. 28–Apr. 23		28	
Rangoon	Nov. 22–Apr. 17		93	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–Apr. 10	47	28	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy, general	Nov. 30–May 2	353		
Catania	Feb. 28–Apr. 17	8		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–Mar. 10	4		
Genoa	Dec. 1–Apr. 30	11		
Naples	Dec. 7–May 2	404	61	Jan. 18, 1 case on s. s. Europa. Case Apr. 23 on s.s. Montevideo. May 1, 1 case on s. s. Verona.
Palermo	Jan. 24–Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15–21	2		
Japan:				
Formosa	Nov. 29–Mar. 13	19		
Kobe	Feb. 14–Mar. 6	5	2	3 cases in March from s. s. Ghasse from Singapore.
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–Apr. 10	78	9	
Malta	Nov. 22–Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17–Apr. 10	7	2	
Mexico:				
Acapulco	Jan. 11–Feb. 14	15		
Acayucan	Mar. 17			Present.
Chihuahua	Apr. 19–May 9	4	1	
Guadalajara	Jan. 7–May 6		17	
Matamoras	May 9–15	1		
Mexico City	Nov. 8–Mar. 27		220	
Monterey	Jan. 4–May 16		75	
Puebla	May 9			Epidemic.
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Salina Cruz	Jan. 1–15	5		
Tampico	Apr. 28			Present at localities between Tampico and Tuspan.
Tehuantepec	Jan. 28–Feb. 3			Present.
Veracruz	Dec. 13–Apr. 17	8	5	Apr. 20, still present.
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Present.
Netherlands, The:				
Rotterdam	Jan. 10–Mar. 27	1	1	
Newfoundland	Feb. 9–Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10–Apr. 3	11		Case Jan. 10 from s. s. Portia.
Norway:				
Bergen	Jan. 24–30		2	
Christiania	Nov. 22–28	1	1	
Paraguay:				
Asuncion	Dec. 20–26			Present.
Persia:				
Arabistan	Jan. 1–28			Do.
Dizfoul	Jan. 1–28			Do.
Hamadan	Oct. 2–Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Mar. 1–31	22		Present in October.
Mash-Had	Apr. 5			Present.
Mechedisser	Jan. 1–28			Do.
Mohammerah	Jan. 1–28			Do.
Sultanabad	Oct. 1–31			Do.
Tabriz	Oct. 2–Apr. 5			Do.
Teheran	Sept. 18–Oct. 28		17	
Trebizond	Jan. 16			Do.
Peru:				
Lima	Nov. 22–Dec. 31	11		Mar. 27, 1 case in the lazaretto.
Salaverry	Nov. 19–25		1	
Philippine Islands:				
Manila	Nov. 1–Apr. 10	89	20	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 16 deaths.
Porto Rico:				
Mayaguez	Dec. 20–Jan. 2	2		
Portugal:				
Lisbon	Nov. 30–May 1	61		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1–Mar. 31	4		
Moscow	Nov. 20–Apr. 24	457	169	
Odessa	Oct. 4–May 1	90	15	
Reval	Jan. 1–31	1		
Riga	Nov. 29–Apr. 31	23		
St. Petersburg	Nov. 15–Apr. 17	209	59	
Warsaw	Nov. 1–Mar. 20		77	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Salvador:				
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6	40		Present on routes to Guatemala.
Servia:				
Belgrade	Dec. 6-12	2		
Siam:				
Bangkok	Feb. 1-Mar. 31	141	90	Present in November.
Siberia:				
Vladivostok	Dec. 14-Feb. 14	2		
Southeast Africa:				
Lourenço-Marquez	Jan. 1-31	1	1	
Spain:				
Almeria	Jan. 1-Mar. 31		4	Apr. 1-Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6-May 10		75	
Cartagena	July 1-31		15	
Huelva	Mar. 1-31		2	
Madrid	Nov. 1-Mar. 31		88	
Valencia	Nov. 29-May 1	108	9	
Vigo	Nov. 30-May 8		13	
Straits Settlements:				
Penang	Mar. 1-27	2	2	Case Mar. 1 from s. s. Pentakota; case Mar. 27 from s. s. Hong Sin.
Singapore	Dec. 28-Apr. 3		11	
Switzerland:				
Zug, Canton	Apr. 11-17	1		
Zurich	Feb. 21-27	3		
Tripoli:				
Tripoli	Feb. 13-Apr. 24	181	31	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bagdad	Feb. 13-Apr. 17			Present.
Bassorah	Jan. 3-Apr. 24			Do.
Smyrna	Oct. 7-Apr. 15		74	
Turkey in Europe:				
Constantinople	Dec. 7-Apr. 25		69	
Trebizond	Feb. 7-May 2			Do.
Uruguay:				
Montevideo	Dec. 1-Feb. 28		13	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	May 1	181,918	54										1	3
Acapulco	do	5,000	7	1										
Do	May 8	5,000	6	1										
Aden	Apr 19	43,974	21	6										
Do	Apr. 26	43,974	21	3										
Aguascallentes	May 9	40,000	51	3					4		1			3
Aix-la-Chapelle	Apr. 17	159,713	58	6						1	1			1
Amsterdam	May 1	566,218	185	29						1	2		5	5
Antwerp	Apr. 24	323,921	68	6							2			1
Athens	May 1	241,058	78	23					1	1		1	1	2
Bahia	Apr. 3	265,000	95	7			4	3						
Do	Apr. 10	265,000	89	10			2							
Do	Apr. 17	265,000	100	12			3	3						
Baracoa	May 1	27,000	6											
Barcelona	May 3	600,000	382	20				9		3		9		1
Basel	Apr. 24	131,000	34	8										
Belize	May 6	9,113	4											
Do	May 13	9,113	3											
Bergen	Apr. 24	87,749	27	3										
Berlin	Apr. 17	2,100,429	661	94							5	16	11	8
Birmingham	May 1	558,336	162								1		16	7
Bluefields	do	2,500	4											

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Bombay	Apr. 20	977,822	1,050	55	382	44		18		4			4	
Bordeaux	May 1	253,000	130	16									6	
Breslau	Apr. 24	335,186	192	33							1			1
Bristol	May 1	377,642	98	13									6	1
Budapest	Apr. 17	804,200										8	3	
Do	Apr. 24	804,200									5	2	2	
Calcutta	Apr. 10	847,796	789	43	85	111		197					2	
Cartagena	Apr. 25	30,000	15	1										
Ceiba	May 8	6,500	3											
Chemnitz	Apr. 24	272,442	96	10								1	1	2
Chihuahua	May 9	37,000	32	3				1						
Christiania	Apr. 24	235,000	63										1	4
Do	May 1	235,000	70								1	1		5
Cienfuegos	May 8	37,000	26											
Coburg	Apr. 24	23,323	11	2										
Cognac	May 1	19,483	7											
Cologne	Apr. 24	469,879	163	20							2	6	1	2
Constantinople	Apr. 25	1,000,000	246	27				3		6			2	
Do	May 2	1,000,000	313	41				1		14			2	
Copenhagen	Apr. 17	447,000	195	22							2	1	5	6
Dalny	...do	36,885	19	3										1
Denia	May 1	12,431	1											
Dresden	Apr. 24	544,700	140	16							1	1	3	
Dundee	May 1	169,409	47											3
Edinburgh	...do	355,366	117	14							1	1		11
Erfurt	Apr. 24	107,189	37	3						2		1		1
Fiume	Apr. 30	50,811	39	14							1			
Frankfort-on-Main	Apr. 24	363,200	133								2			2
Fort de France	May 1	27,069	22											
Georgetown	Apr. 10	56,000	35	6										
Do	Apr. 17	56,000	52	3										
Do	Apr. 24	56,000	42	3										
Geneva	...do	118,500	39											
Ghent	...do	164,579	59	6									1	
Do	May 8	164,579	50	3							1			
Greenock	May 1	72,300	24											1
Guadalajara	Apr. 29	125,000	108					1						
Do	May 6	125,000	101					1						
Guayaquil	Apr. 17	75,000	96	11	8		5							4
Do	Apr. 24	75,000	81	6	3		14							
Halifax	May 8	40,787	18	1								1		
Hamburg	May 1	872,252	247	32						1	11	2		4
Hamilton, Bermuda	May 10	20,206	6											
Havre	Apr. 24	132,430	64	10									2	
Hilo	...do	3,500	6	1										
Kobe	Apr. 21	230,717	128									2		
Königsberg	Apr. 24	239,100	105	7							2			
Lausanne	...do	60,000	15											
Leeds	May 1	484,012	111	15						1		1	2	3
Leipzig	Apr. 24	537,686	165	30						1	3		1	2
Leith	May 1	85,721	28	3										
Libau	May 2	90,000							1		2		2	
Lisbon	Apr. 10	406,869	166	33				1		1			1	2
Liverpool	May 1	760,357	264	28						1	7	1	11	7
London	...do	4,833,938	1,300	137						1	10	8	81	41
Lübeck	...do	97,000	33											
Lyon	Apr. 24	472,114	204	39							1	1		2
Madras	Apr. 9	509,346	345			1		3					5	
Do	Apr. 16	509,346	350					3						
Magdeburg	Apr. 24	249,787	83	14							2	3		
Do	May 1	249,787	82	6							2	3	1	1
Manchester	...do	631,533	213	22						1	2	1	14	6
Matamoros	May 8	8,000	5	1										
Mazatlan	May 1	22,000	19											
Do	May 8	22,000	10											
Moncton	May 15	13,500	5	1										
Monterey	May 9	100,000	90	7				8		5				
Montreal	May 8	378,856	148	21						2	4	1	2	
Moscow	Apr. 24	1,335,104	741	94				8	5	2	25	14	29	4
Nagasaki	Apr. 18	175,936	36											
Newcastle-on-Tyne	May 1	281,584	97	13								1	5	1
Niuchwang	Apr. 17	60,000	14											

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Nottingham	Apr. 24	260,000	90										8	1
Do	May 1	260,000	76								1		3	
Nuevo Laredo	May 8	8,000	4	1										
Nuremberg	Apr. 10	316,180	100	18							3	2	1	
Do	Apr. 17	316,180	117	14							1	2		1
Odessa	Apr. 24	467,000	170	31				2		1	3			1
Para	do	185,000	96	9			4							
Do	May 1	185,000	89	14			6							
Paris	Apr. 24	2,776,394		229						5	2	10	6	3
Do	May 1	2,776,394	1,005	219						7	2	7	14	6
Penang	Apr. 3	101,469	53	16										
Plymouth	May 1	124,180	43									1		
Prague	Apr. 24	229,965	171	40						1	1	2	5	
Queenstown	May 1	7,684	2											
Rangoon	Apr. 10	252,155	205	7	18	6		11						
Saigon	Apr. 3	206,000			2			5						
St. John, N. B	May 15	40,711	19	3										
San Fellu de Guixols	May 1	11,094	3											
Santa Cruz de Teneriffe	do	46,000	14	2									1	
Santiago de Cuba	May 8	53,614	19	3										
Shanghai	Mar. 27	565,000	129	9										
Do	Apr. 3	565,000	119	13						1		1		
Do	Apr. 10	565,000	117	13										
Sheffield	Apr. 24	440,000	167	16							2	1	18	1
Do	May 1	440,000	127	16								1	5	2
Singapore	Apr. 3	260,000	165	12				1		3				
Smyrna	Apr. 1	400,000	57	13										
Do	Apr. 8	400,000	57	14					2		1			
Do	Apr. 15	400,000	67	12				1		3		1		
Do	Apr. 22	400,000	56	14						1		1	1	
Southampton	May 1	124,667	21	4								1		2
South Shields	do	117,627	36	2						1			1	3
Stettin	Apr. 24	230,000	87	8								1		
Do	May 1	230,000	84	1							1			
Stockholm	Apr. 24	339,582	115	19							1			2
Sunderland	May 1	159,137	63	4									3	1
Tegucigalpa	Apr. 27	24,000	6											
Do	May 4	24,000	5											
Tientsin	Apr. 10	1,000,000	9	2					1					
Trieste	Apr. 17	217,706	95							1			1	
Do	Apr. 24	217,706	110											
Tripoli	Apr. 17	35,000		12				8					1	
Do	Apr. 24	35,000		3				8		1				
Turin	Apr. 30	381,439	210	18							1	1	1	
Valencia	May 1	240,000	102	6										
Venice	Apr. 17	179,286	82	7										2
Do	Apr. 24	179,286	70	6							1			2
Do	May 1	179,286	62	3						1				
Vevey	Apr. 24	14,500	5											
Vienna	May 1	2,064,037	782	132						1	8	4	13	2
Vigo	Apr. 24	40,000	14											
Warsaw	Feb. 27	751,595	310	67					3	4	3	1	18	3
Do	Mar. 6	751,595	321	65				4	5	1	6	2	18	1
West Hartlepool	May 1	66,750	16											
Winnipeg	May 8	118,000	53	1						1				
Yokohama	Apr. 19	392,870								1				
Zurich	May 1	180,000	53	9								1		

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Report from San Francisco, Cal.—Plague-prevention work at Oakland and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Surgeon Blue reports:

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended May 15, 1909.

Dead inspected	25
Plague	0
Necropsies held	2
Premises inspected	107
Premises reinspected	288
Nuisances abated	52
Premises cleaned	44
Garbage cans installed	3
Rats found dead	51
Rats trapped	729
Rats identified	828
Mus norvegicus	777
Mus rattus	2
Mus musculus	48
Mus alexandrinus	1
Gophers caught	2
Rats examined bacteriologically	762
Plague rats	0
Mice examined bacteriologically	48
Plague mice	0
Gophers examined bacteriologically	2
Plague gophers	0
Poisons placed	8,470

POINT RICHMOND, CAL.

Week ended May 15.

Premises inspected	350
Nuisances abated	21
Rats found dead	14
Rats trapped	42
Mice trapped	1
Rats examined bacteriologically	41
Plague rats	0
Mice examined bacteriologically	1
Plague mice	0
Poisons placed	5,000

ALAMEDA COUNTY, CAL.

Week ended May 15.

Dead inspected	48
Plague	0
Necropsies held	3

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CONTRA COSTA COUNTY, CAL.

Week ended May 15.

Ground squirrels shot	72
Rabbits shot	1
Gophers killed	1
Ground squirrels examined bacteriologically	72
Plague squirrels	0
Rabbits examined bacteriologically	1
Plague rabbits	0
Gophers examined bacteriologically	1
Plague gophers	0
Ranches inspected	28
Ranches found free of ground squirrels	5
Acres covered with poison	65
Poisons placed	1,029½

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports May 17:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended May 15, 1909.

Rats received	874
Rats necropsied	866
Plague rats found	0
Plague infected rats to date	21

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CONNECTICUT—*Bridgeport.*—Month of April, 1909. Estimated population, 100,000. Total number of deaths, 110, including diphtheria 2, scarlet fever 3, measles 1, and 22 from tuberculosis. Cases: Diphtheria 18, enteric fever 3, scarlet fever 24, measles 34, and pulmonary tuberculosis 20.

FLORIDA.—Report from the state board of health of cases of communicable disease for the week ended May 22, 1909, shows as follows: *Diphtheria.*—St. Augustine and Tampa, each 2 cases. *Malaria.*—Jacksonville, 21; Tampa, 13; Mayport, Tallahassee, and Ybor City, each 2 cases; Bartow, Crescent City, Daytona, Manatee, Omega, Panama Park, and Palmetto Beach, each 1 case. *Tuberculosis.*—Bradentown, Christina, Filogia, Jacksonville, Plant City, Santos, and Tampa, each 1 case. *Enteric fever.*—Jacksonville 3, and Tampa 2.

IOWA—*Keokuk.*—Month of April, 1909. Estimated population, 16,000. Total number of deaths, 30, including scarlet fever 1, and 3 from tuberculosis. Cases: Scarlet fever 35, diphtheria 1, and measles 21.

MAINE—*Portland.*—Six months ended March 6, 1909. Estimated population, 62,000. Total number of deaths, 451, including diphtheria 2, whooping cough 5, scarlet fever 4, enteric fever 12, and 26 from tuberculosis. Cases: Diphtheria 50, enteric fever 48, and scarlet fever 77.

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MARYLAND—*Baltimore.*—Month of October, 1908. Estimated population, 573,000 (white, 482,000; colored, 91,000). Total number of deaths, 725 (white, 557; colored, 168), including enteric fever 30, scarlet fever 3, whooping cough 4, diphtheria 6, and 103 from tuberculosis. Cases: Diphtheria 90, scarlet fever 75, whooping cough 7, enteric fever 148, and measles 6. Annual death rate per 1,000: Whole, 14.4; white, 13.02; colored, 21.63.

Month of November, 1908. Total number of deaths, 780 (white, 577; colored, 203), including enteric fever 25, scarlet fever 2, whooping cough 1, diphtheria 3, and 99 from tuberculosis. Cases: Diphtheria 78, scarlet fever 66, whooping cough 13, enteric fever 91, and measles 61. Annual death rate per 1,000: Whole, 15.7; white, 13.77; colored, 36.97.

Month of December, 1908. Total number of deaths, 799 (white, 603; colored, 196), including enteric fever 10, measles 2, whooping cough 1, diphtheria 11, and 109 from tuberculosis. Cases: Diphtheria 72, scarlet fever 46, whooping cough 3, enteric fever 62, and measles 87. Annual death rate per 1,000: Whole, 15.83; white, 14.09; colored, 25.05.

MASSACHUSETTS.—Reports from the state board of health for the four weeks ended April 24, 1909. Fifty-three cities and towns reporting, having an aggregate estimated population of 2,363,438, report 3,205 deaths, including diphtheria 35, enteric fever 11, measles 25, and 250 from phthisis pulmonalis. Cases: Diphtheria 512, enteric fever 78, measles 2,148, scarlet fever 657, whooping cough 205, smallpox 2, and phthisis pulmonalis 633.

MINNESOTA—*Minneapolis.*—Month of April, 1909. Estimated population, 310,000. Total number of deaths, 284, including diphtheria 6, enteric fever 5, scarlet fever 7, whooping cough 3, and 33 from tuberculosis. Cases: Diphtheria 45, enteric fever 12, scarlet fever 62, smallpox 16, and tuberculosis 44.

MISSOURI—*Springfield.*—Month of April, 1909. Estimated population, 35,000. Total number of deaths, 42, including 5 from tuberculosis. Cases: Scarlet fever 9, and diphtheria 3.

NEW YORK—*New York City.*—Report for the quarter ended March 31, 1909. Estimated population, 4,564,792. Total number of deaths, 19,058, corresponding to an annual death rate of 16.94 per 1,000 of population, including enteric fever 87, smallpox 1, measles 272, scarlet fever 269, whooping cough 67, diphtheria 576, and 2,595 from tuberculosis.

NORTH CAROLINA.—Month of April, 1909. Estimated population, 1,893,810. Reports of state board of health from 87 counties show as follows: Measles in 29 counties, whooping cough in 47 counties, scarlet fever in 23 counties, diphtheria in 23 counties, enteric fever in 25 counties, malarial fever in 6 counties, pernicious malarial fever in

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3 counties, hemorrhagic malarial fever in 1 county, and smallpox in 22 counties, viz: Bertie, 1; Caldwell, 90; Cherokee, 1; Craven, 10; Currituck, a few; Duplin, 10; Forsyth, 5; Harnett, 4; Johnston, 16; Jones, 40; Lee, 4; Nash, 3; Onslow, 6; Pasquotank, 17; Perquimans, 3; Pitt, 1; Rowan, 1; Scotland, 6; Wake, 1; Warren, 5; Wayne, 3.

UTAH.—Month of April, 1909. Reports to the state board of health from 27 counties, having an estimated population of 346,873, show as follows: Total number of deaths, 409, including diphtheria 8, whooping cough 13, scarlet fever 15, enteric fever 7, and 8 from tuberculosis. Cases: Diphtheria 56, enteric fever 13, measles 15, scarlet fever 168, smallpox 81, whooping cough 387, and tuberculosis 13 (incomplete).

WASHINGTON—*Spokane.*—Annual report for the year 1908. Total number of deaths 1,245, corresponding to an annual death rate of 10.3 per 1,000 of population, which is estimated at 120,000. The deaths from contagious diseases were: Enteric fever 46, tuberculosis 102, diphtheria 31, scarlet fever 1, smallpox 2, whooping cough 4, and 1 from measles. Cases: Diphtheria 377, scarlet fever 218, measles 111, smallpox 398, enteric fever 142 (incomplete), and tuberculosis 17 (incomplete).

Month of March, 1909. Total number of deaths, 114, including measles 2, scarlet fever 8, diphtheria 2, enteric fever 2, and 6 from tuberculosis. Cases: Smallpox 2, measles 160, scarlet fever 73, diphtheria 26, and enteric fever 2.

Month of April, 1909. Total number of deaths, 137, including scarlet fever 11, diphtheria 2, enteric fever 2, and 9 from tuberculosis. Cases: Smallpox 20, measles 226, scarlet fever 210, and diphtheria 10.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to June 4, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Autauga County	Feb. 27–Apr. 5	11		
Prattville	Feb. 27–Apr. 5	3		
Dallas County	Feb. 20–Apr. 12	12		
Selma	Feb. 28–Apr. 12	26		
Jefferson County— Birmingham	Mar. 1–May 24	11		
Mobile County— Mobile	Jan. 12–Apr. 17	8		
Montgomery County— Montgomery	Mar. 13–Apr. 2		2	
Tuscaloosa County				86 cases year 1908.
Total for State		71	2	
Arizona:				
Winslow	May 1–3	1	1	
Total for State		1	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Arkansas:				
Allbrook	Jan. 1–Mar. 25	40		
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		148		
California, general	Nov. 1–Mar. 31		5	
Berkeley	Apr. 18–24	1		
Los Angeles	Dec. 6–May 15	23	1	
Oakland	Nov. 1–Apr. 26	18		
Sacramento	Nov. 1–May 15	62		
San Francisco	Dec. 13–May 22	37		
Stockton	Nov. 1–May 1	13		
Total for State		154	6	
Colorado, general	July 1–Feb. 23	57		
Archuleta County	July 1–Dec. 31	1		
Boulder County	Mar. 1–31	2		
Chaffee County	July 1–Mar. 31	2		
Clear Creek County	Mar. 1–31	1		
Conejos County	Mar. 1–31	2		
Denver County—				
Denver	July 1–Mar. 31	18		
Douglas County	July 1–Dec. 31	5		
Fremont County	July 1–Dec. 31	1		
Garfield County	Mar. 1–31	3		
Huerfano County	July 1–Mar. 31	12		
Larimer County	July 1–Dec. 31	1		
Las Animas County	Mar. 1–31	5		
Logan County	Mar. 1–31	3		
Mesa County	Mar. 1–31	2		
Morgan County	July 1–Mar. 31	13		
Phillips County	July 1–Dec. 31	4		
Pueblo County	Mar. 1–31	38		
Weld County	July 1–Mar. 31	20		
Total for State		190		
District of Columbia:				
Washington	Dec. 28–May 22	12		
Total for District		12		
Georgia:				
Bibb County—				
Macon	Mar. 14–May 23	32		
Cobb County	Jan. 16–Feb. 7	8		
Fulton County—				
Atlanta	Jan. 15–May 21	62		And vicinity.
Paulding County	Jan. 16–Feb. 7	15		
Total for State		117		
Illinois:				
Alexander County—				
Cairo	Jan. 7–Mar. 31	233		
Delta	Feb. 1–28	40		
Fayville	Feb. 1–28			Present.
Thebes	Jan. 1–Feb. 28	6		
Bureau County—				
Ladd	Nov. 1–30	4		
Carroll County—				
Savanna	Feb. 1–Mar. 31	3		
Cass County	Feb. 1–Mar. 31	4		
Champaign County	Mar. 1–31	1		
Christian County—				
Edinburg	Feb. 1–Mar. 28	27		
Taylorville	Aug. 1–Mar. 31	55		
Clinton County—				
Boulder	Feb. 1–28	1		
Carlyle	Jan. 1–31	1		
Coles County—				
Charleston	Jan. 1–30	1		
Cook County—				
Chicago	Jan. 3–May 8	11		
Fayette County	Mar. 1–31	3		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Franklin County—				
West Frankfort	Dec. 12–Feb. 13	15		
Fulton County—				
Canton	Jan. 1–Feb. 28	55		
Cuba	Jan. 1–31	1		
Farmington	Mar. 1–31	25		
Lewiston	Jan. 1–Mar. 31	26		
Norris	Feb. 1–Mar. 31	19		
Jackson County	Feb. 1–21	2		
Murphysboro	Jan. 1–Mar. 31	70	1	
Jasper County	Jan. 1–31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1–31	1		
Jo Daviess County—				
Galena	Jan. 1–31	3		
Kane County—				
St. Charles	Jan. 1–Mar. 31	2		
Kankakee County—				
Grant Park	Jan. 1–31	1		
Knox County—				
Galesburg	Feb. 14–May 15	11		
Lake County	Mar. 1–31	1		
Waukegan	Feb. 2–26	3		
Livingston County	Feb. 1–28	3		
McLean County—				
Bloomington	Jan. 1–Mar. 31	14		
Macon County	Feb. 1–Mar. 31	7		
Decatur	Jan. 1–Mar. 31	20		
Macoupin County		21		
Benld	Feb. 15–18	2		
Palmyra	Dec. 25–Jan. 20	4		
Scottsville	Dec. 25–Jan. 20	12		
Madison County—				
Alton	Mar. 1–Apr. 30	3		
Marion County—				
Centralia	July 1–Jan. 20	53		
Kinmundy	Mar. 1–31	2		And vicinity.
Odin	Jan. 1–31	1		
Sandoval	Jan. 1–Mar. 31	3		
Mason County	Jan. 1–Mar. 31	12		Present in Bath, Havana, and Quiver townships.
Massac County—				
Metropolis	Jan. 1–Mar. 31	6		
Mercer County	Jan. 1–31	1		In North Henderson township.
Montgomery County	Jan. 1–31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5–11	1		
Peoria County—				
Elmwood	Mar. 1–31	2		
Peoria	Dec. 20–Apr. 30	77		Present in Glasford and in Timber and Trivoli townships.
Pope County—				
Eddyville	Feb. 1–28			Present in vicinity.
Pulaski County	Jan. 1–31			Present in Pulaski.
Mounds	Jan. 1–Mar. 31	18		
Mound City	Jan. 1–31	7		Feb. 28, still present.
Randolph County—				
Percy	Jan. 1–Mar. 31	40		
Preston	Mar. 1–31	6		
St. Clair County	Feb. 1–Mar. 31	16		
Belleville	Dec. 4–Feb. 28	15		
Mascoutah	Jan. 1–31	1		
Millstadt	Jan. 1–Feb. 28	2		
Saline County—				
Eldorado	Jan. 1–Feb. 28	4		
Harrisburg	Mar. 1–31	8		
Sangamon County—				
Pawnee	Jan. 1–31	2		
Springfield	Mar. 20–May 28	23		
Schuyler County—				
Browning	Oct. 12–Jan. 20	75		
Stephenson County—				
Freeport	Feb. 1–28	9		
Tazewell County	Jan. 1–Mar. 31			Present in Elm Grove, Green Valley, and Groveland townships.
Pekin	Jan. 1–Mar. 31	53		
Washington	Mar. 1–31	1		
Vermilion County—				
Danville	Jan. 11–May 23	86		
Rankin	Feb. 1–28	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Williamson County—				
Bush	Mar. 1-31	6		
Carterville	Jan. 1-Mar. 31	17		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-Mar. 31	19		
Woodford County—				
Roanoke	Mar. 1-31	3		
Total for State		1,290	1	
Indiana:				
Allen County	Dec. 1-Mar. 31	2		
Fort Wayne	Jan. 10-May 8	9		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Mar. 31	5		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-Mar. 31	36		
Cass County	Jan. 1-31	1		
Clay County	Oct. 1-31	8		
Clinton County	Feb. 1-Mar. 31	20		
Dearborn County	Oct. 1-Feb. 28	15		
Decatur County	Jan. 1-Mar. 31	9		
Delaware County	Dec. 1-Jan. 31	61		
Muncie	Mar. 27	1		
Elkhart County	Oct. 1-Mar. 31	20		
Elkhart	Jan. 17-Mar. 6	8		
Floyd County	Feb. 1-28	1		
Fountain County	Feb. 1-28	19		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-Mar. 31	6		
Grant County	Dec. 1-Jan. 31	7		
Union	Feb. 6	5		
Greene County	Jan. 1-31	1		
Hamilton County	Dec. 1-Mar. 31	30		
Harrison County	Dec. 1-Jan. 31	11		
Hendricks County	Nov. 1-Dec. 31	5		
Henry County	Jan. 1-Feb. 28	12		
Howard County	Jan. 7-Feb. 28	9		
Jennings County	Feb. 1-Mar. 31	11		
Johnson County	Feb. 1-Mar. 31	2		
Kosciusko County	Mar. 1-31	11		
Laporte County	Feb. 1-28	6		
Madison County	Oct. 1-Jan. 31	6		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-May 9	9		
Miami County	Dec. 1-Jan. 31	8		
Montgomery County	Feb. 1-28	2		
Noble County	Jan. 1-31	11		
Posey County	Feb. 1-28	3		
Rush County	Dec. 1-Feb. 28	43		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-Feb. 28	3		
St. Joseph County	Dec. 1-Feb. 28	32		
South Bend	Mar. 23-May 22	10		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Feb. 28	91		
Lafayette	Dec. 15-May 3	66	1	
Tipton County	Nov. 1-Jan. 31	4		
Vanderburg County—				
Evansville	Jan. 10-May 15	11		
Vermilion County	Mar. 1-31	4		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-Feb. 28	38		
Warrick County	Feb. 1-28	1		
Wayne County	Nov. 1-Mar. 31	17		
Wells County	Feb. 1-28	58		
White County	Mar. 1-31	14		
Total for State		782	1	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Cedar Rapids	Mar. 1-May 1	15		
Council Bluffs	July 1-May 16	36	2	
Davenport	Apr. 12-May 9	3		
Dubuque	Oct. 1-Jan. 31	87	1	
New Hampton	Feb. 26	8		
Sioux City	Apr. 1-30	1		
Total for State		151	5	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas:				
Allen County	Jan. 1–Mar. 31	11		
Atchison County	Mar. 1–31	9		
Atchison	Dec. 20–Mar. 31	6		
Barton County	Nov. 1–30	7		
Bourbon County	Nov. 1–30	1		
Brown County	Nov. 1–Mar. 31	56		
Butler County	Feb. 1–Mar. 31	7		
Chautauqua County	Feb. 1–Mar. 31	19		
Cherokee County	Jan. 1–Mar. 31	30		
Clark County	Mar. 1–31	5		
Crawford County	Jan. 1–Mar. 31	9		
Pittsburg	Nov. 1–Mar. 31	130		
Decatur County	Jan. 1–Mar. 31	12		
Doniphan County	Mar. 1–31	15		
Douglas County	Mar. 1–31	3		
Finney County	Feb. 1–28	2		
Ford County	Jan. 1–Mar. 31	4		
Franklin County	Dec. 1–Mar. 31	4		
Greenwood	Feb. 1–Mar. 31	24		
Harvey County	Nov. 1–Mar. 31	6		
Jackson County	Nov. 1–Mar. 31	106		
Jefferson County	Dec. 1–Mar. 31	23		
Jewell County	Dec. 1–Mar. 31	30		
Labette County—				
Parsons	Jan. 1–Mar. 31	11		
Lane County	Jan. 1–31	4		
Lincoln County	Mar. 1–31	1		
Lyon County	Feb. 1–28	8		
McPherson County	Jan. 1–31	1		
Marion County	Mar. 1–31	1		
Marshall County	Jan. 1–Mar. 31	4		
Mitchell County	Feb. 1–28	2		
Montgomery County	Nov. 1–Mar. 31	20		
Nemaha County	Dec. 1–Feb. 28	3		
Ness County	Mar. 1–31	5		
Osage County	Feb. 1–Mar. 31	39		
Osborne County	Mar. 1–31	4		
Phillips County	Dec. 1–Mar. 31	9		
Pottawatomie County	Nov. 1–Mar. 31	70		
Pratt County	Dec. 1–31	20		
Rawlins County	Mar. 1–31	20		
Reno County	Nov. 1–Jan. 31	4	1	
Republic County	Mar. 1–31	3		
Riley County	Nov. 1–30	2		
Rooks County	Jan. 1–31	3		
Saline County	Nov. 1–Mar. 31	57		
Sedgwick County	Feb. 1–Mar. 31	9		
Wichita	Mar. 7–May 22	26		
Shawnee County	Nov. 1–Mar. 31	120		
Topeka	June 7–Apr. 3	128		
Sheridan County	Dec. 1–Jan. 31	11		
Smith County	Feb. 1–Mar. 31	8		
Stafford County	Dec. 1–31	1		
Sumner County	Nov. 1–Mar. 31	11		
Thomas County	Jan. 1–31	2		
Wallace County	Jan. 1–31	2		
Wabaunsee County	Jan. 1–Mar. 31	8		
Wilson County	Nov. 1–30	5		
Wyandotte County—				
Kansas City	Jan. 3–May 22	71		
Total for State		1,212	1	
Kentucky:				
Anderson County	Oct. 1–Jan. 20	200	1	Including Lawrenceburg.
Berea	Feb. 1–Apr. 2	20		
Covington	Dec. 29–May 22	37		
Fulton	Feb. 1–Mar. 22	27		
Georgetown	Dec. 2–Mar. 4	31		
Henderson		7		Jan. 1–June 30, 1908.
Lexington	Dec. 28–May 22	53		
Newport	July 1–May 22	73	1	Jan. 1–June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24–May 15	56		
Total for State		504	2	
Louisiana:				
Alexandria	Feb. 1–28	9		
Arcadia Parish	Dec. 20–Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20–May 22	53		Mainly imported.

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Louisiana—Continued.				
Shreveport	Jan. 1-20	32	1	
Winnfield	Jan. 1-Mar. 24	33		And vicinity.
Total for State		157	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-May 22	98		
Total for State		149		
Maryland	Mar. 18-21	10		House of Correction, Bridewell.
Baltimore	Jan. 30-Feb. 6	1		
Total for State		11		
Massachusetts:				
Boston	Mar. 14-20	2		
Haverhill	Mar. 14-20	1		
Lawrence	Mar. 7-13	1		
New Bedford	Jan. 30-Mar. 13	3	1	
Somerville	May 16-22	1		
Total for State		8	1	
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31	1		
Ingham County—				
Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County—				
Grand Rapids	Jan. 24-May 22	6		
Lapeer County	Dec. 1-31	2		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-May 22	26		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Mar. 27	7		
Wexford County	Dec. 1-31	2		
Total for State		98		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 30-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Apr. 30	116		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicollet County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Nov. 1-Mar. 31	200		
Renville County	Dec. 1-7	1		
St. Louis County—				
Duluth	Nov. 9-May 27	31		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Steele County	Oct. 20–Dec. 7	4		
Stevens County	Nov. 9–Dec. 13	12		
Todd County	Nov. 9–Dec. 13	3		
Wabasha County	Nov. 2–Dec. 7	10		
Wadena County	Nov. 2–Dec. 13	15		
Waseka County	Oct. 26–Dec. 7	9		
Washington County	Nov. 24–31	1		
Stillwater	Dec. 1–31	3		
Winona County	Dec. 1–7	1		
Winona	Dec. 1–Feb. 28	8		
Yellow Medicine County	Oct. 20–26	1		
Total for State		507		
Mississippi:				
De Soto County	Nov. 1–Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24–May 22	24		
Kirksville	Nov. 1–Jan. 31	96		
Liberty	Jan. 15–Mar. 11	20		
Rich Hill	Dec. 5–31	4		
St. Joseph	Dec. 1–Apr. 3	2		
St. Louis	Dec. 20–May 8	31		
Springfield	Nov. 1–Feb. 28	3		
Total for State		180		
Montana:				
Beaverhead County	Feb. 1–28	2		
Carbon County	Feb. 1–28	1		
Cascade County	Nov. 1–Mar. 31	14		
Great Falls	Apr. 25–May 1	1		
Chouteau County	Jan. 1–Feb. 28	4		
Dawson County	Dec. 31–Mar. 31	21		
Fergus County	Dec. 31–Mar. 31	35		
Flathead County	Nov. 1–30	1		
Gallatin County	Nov. 1–Mar. 31	26		
Bozeman	Nov. 1–Mar. 31	19	1	
Granite County	Jan. 1–Mar. 31	7		
Jefferson County	Nov. 1–30	4		
Lewis and Clark County	Mar. 1–31	1		
Madison County	Dec. 1–31	2		
Meagher County	Mar. 1–31	1		
Missoula County	Jan. 1–31	12		
Missoula	Jan. 1–Feb. 28	5	1	
Park County	Jan. 1–Mar. 31	17		
Powell County	Jan. 1–Feb. 28	15		
Ravalli County	Nov. 1–Mar. 31	19		
Sanders County	Jan. 1–Feb. 28	11		
Silverbow County	Nov. 1–Mar. 31	20	1	
Butte	Mar. 16–May 20	56		
Yellowstone County	Nov. 1–30	1		
Billings	Jan. 1–Mar. 31	2		
Total for State		297	3	
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1–Apr. 30	46		
Polk	Mar. 20–Apr. 23	14		And vicinity.
South Omaha	Dec. 20–Apr. 10	15		
Total for State		76		
New Hampshire:				
Hinsdale	Nov. 1–Dec. 15	6		
West Chesterfield	Nov. 1–Dec. 15	1		
West Lebanon	Jan. 15–Feb. 7	2		
Westmoreland	Nov. 1–Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21–May 8	16		
Haddonfield	Mar. 26–27	2		
Hightstown	Mar. 3	1		
Lodi	Apr. 15	1		
New Brunswick	Mar. 7–May 22	12		
Paterson	Mar. 16–Apr. 2	8		
Perth Amboy	Mar. 4–Apr. 29	30		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
New Jersey—Continued.				
Plainfield	Mar. 7–Apr. 10	6		
Trenton	Apr. 25–May 1	2	1	
Woodbridge	Mar. 6–26	1		
Total for State		79	1	
New York, general	Nov. 1–Mar. 31	232	2	Including Amsterdam Bridgeport, Broome, Cicero, Gardiner, and Middleburg.
Buffalo	Feb. 14–Mar. 20	4		
Little Falls	Apr. 10–May 8	4		
Mohawk Valley			1	Year 1908.
New York	Feb. 21–Apr. 3	6	1	
Niagara Falls	Feb. 7–May 1	2		
Rome	Jan. 1–31	1		
Schenectady	Feb. 7–13	1		
Syracuse	Jan. 9–31	3		
Total for State		253	4	
North Carolina:				
Ashe County	Jan. 1–31	7		
Bertie County	Nov. 1–Feb. 28	3		
Camden County	Jan. 1–Feb. 28	50		
Catawba County	Nov. 1–Dec. 31	4		
Craven County	Feb. 1–28	2		
Currituck County	Nov. 1–Jan. 31	34		Present in February.
Duplin County	Dec. 1–Feb. 28	68		
Edgecombe County	Dec. 1–31	1		
Forsyth County	Feb. 1–28	18		
Harnett County	Feb. 1–28	16		
Johnston County	Nov. 1–Feb. 28	19		
Jones County	Jan. 1–31	3		
Lee County	Feb. 1–28	10		
Lenoir County	Dec. 1–Feb. 28	60		
Lincoln County	Dec. 1–31	1		
Madison County	Jan. 1–Feb. 28	7		
Martin County	Feb. 1–28	9		
Mecklenberg County— Charlotte	May 8–14	1		
Nash County	Jan. 1–Feb. 28	2		
New Hanover County— Wilmington	Jan. 22–Mar. 1	4		Imported.
Pasquotank County	Nov. 1–Feb. 28	129		
Pitt County	Jan. 1–31	2		
Rowan County	Feb. 1–28	1		
Sampson County	Jan. 1–Feb. 28	31		
Scotland County	Jan. 1–31	6		
Warren County	Feb. 1–28	3		
Wayne County	Jan. 1–Feb. 28	27		
Total for State		518		
North Dakota	July 1–Feb. 19	168		
Ward County	Jan. 12–Mar. 31	27		
Sherwood	Jan. 12–Mar. 31	46		
Total for State		241		
Ohio, general	June 14–Jan. 2	337		
Ashtabula	Apr. 11–May 29	12		
Cincinnati	Dec. 12–May 27	261	2	
Cleveland	Feb. 28–Apr. 30	6		
Columbus	Dec. 26–May 22	18		Revised. 3 cases additional i Sept. and Oct.
Conneaut	Mar. 1–Apr. 29	3		
Dayton	Jan. 24–Feb. 20	5		
Massillon	May 10–16	1		
Newark		3		Year 1908.
Sandusky	May 9–15	1		
Tiffin	Jan. 3–23	2		
Toledo	May 2–8	1		
Warren	May 2–8	1		
Total for State		651	2	
Oregon:				
Clackamas County	Sept. 1–Feb. 28	6		
Columbia County	Jan. 1–31	6		
Harney County	Sept. 1–30	1		
Hood River County	Jan. 1–31	4		
Jackson County	Oct. 1–Dec. 31	9		
Lane County	Dec. 1–31	10		
Linn County	Sept. 1–Oct. 31	5		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Oregon—Continued.				
Marion County	Sept. 1-Feb. 28	16		
Multnomah County	Dec. 1-31	5		
Portland	Nov. 1-Mar. 31	100		
Polk County	Sept. 1-Feb. 28	14		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-Jan. 31	9		
Wallowa County	Oct. 1-Feb. 28	8		
Washington County	Oct. 1-Feb. 28	39		
Yamhill County	Sept. 1-Feb. 28	19		
Total for State		252		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Castle	Feb. 1-28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 10-May 21	2		
Pittsburg	Dec. 13-May 22	2		Imported.
Prompton	Jan. 2-Feb. 10	3		
Total for State		13		
South Carolina:				
Winnsboro	Feb. 1-28	5		
Yorkville	Mar. 10-Apr. 26	14	8	And vicinity.
Total for State		19	8	
South Dakota:				
Aberdeen	May 1-Jan. 31	43		
Total for State		43		
Tennessee:				
Fayette County	Dec. 1-Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28-May 15	39		
Memphis	Jan. 1-Mar. 13	190	1	
Murfreesboro	Mar. 15-31	1		
Nashville	Dec. 20-May 8	46		
Polk County	Jan. 22	30		
Total for State		609	1	
Texas:				
Corpus Christi	Apr. 2			Present.
Cost	Oct. 1-Dec. 19			Do.
Cotulla	Jan. 25-Feb. 17			Do.
Denton County	Jan. 1-Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10-Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1-May 26	48	1	
Galveston	Mar. 6-Apr. 16	8		
Goliad County	Dec. 1-Jan. 20	25		
Hidalgo County	Jan. 30-May 1	16		
Houston	Jan. 1-Mar. 27	9		
Laredo	Dec. 26-Mar. 19	6		
Monthalia	Oct. 1-Dec. 19			Present.
Oak Forest	Oct. 1-Dec. 19			Do.
San Antonio	Dec. 13-May 8	95		
San Augustine County	Jan. 5			Do.
Waco	May 21	4		Imported.
Total for State		496	2	
Utah:				
Beaver County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cache County	Jan. 1-Apr. 30	77		
Davis County	Nov. 1-Apr. 30	40		
Emery County	Feb. 1-28	4		
Garfield County	Dec. 1-Apr. 30	48		
Millard County	Jan. 1-Mar. 31	9		
Salt Lake County	Dec. 1-Mar. 31	170		
Salt Lake City	Dec. 1-Apr. 30	371	1	
Sanpete County	Dec. 1-Apr. 30	6		
Sevier County	Jan. 1-Mar. 31	88		
Summit County	Dec. 1-Apr. 30	33		
Tooele County	Apr. 1-30	3		
Utah County	Dec. 1-Apr. 30	5		
Weber County	Nov. 1-Feb. 28	26		
Total for State		883	1	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Vermont:				
Brattleboro	Dec. 5–Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor Township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lithia	Mar. 1–Apr. 28	100		And vicinity.
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Portsmouth	Apr. 21–May 25	7	2	
Richmond	Mar. 14–May 1	3	1	Death in county hospital.
Total for State		120	3	
Washington:				
Bellingham	Jan. 25–Mar. 23	10		
Camas	Dec. 29–Mar. 8	18		
Colville Indian Reservation	Feb. 15–Apr. 6	118	3	
Seattle	Oct. 1–Mar. 31	30		
Spokane	Dec. 6–May 22	51	1	
Tacoma	Dec. 14–Apr. 4	69		
Total for State		296	4	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville				Present in January.
St. Albans	Feb. 16–Apr. 12	19		
Weston	Jan. 15–Feb. 13	1		
Wheeling	May 9–15	1		
Total for State		22		
Wisconsin:				
Adams County	July 1–Sept. 30	3		
Ashland County	Oct. 1–Dec. 31	4		
Barron County	July 1–Dec. 31	41		
Buffalo County	Oct. 1–Dec. 31	1		
Chippewa County	July 1–Dec. 31	28		
Columbia County	Oct. 1–31	18		
Dane County	July 1–Sept. 30	1		
Dodge County	July 1–Sept. 30	1		
Douglas County	July 1–Dec. 31	49		
Superior	Apr. 25–May 1	3		
Dunn County	July 1–Dec. 31	4		
Fond du Lac County	July 1–Dec. 31	6		
Green County	July 1–Dec. 31	4		
Iron County	July 1–Sept. 30	2		
Juneau County	Oct. 1–Dec. 31	2		
Kewaunee County	July 1–Sept. 30	1		
La Crosse County—				
La Crosse	Dec. 13–May 8	50		
La Fayette County	Oct. 1–Dec. 31	1		
Manitowoc County	Oct. 1–Dec. 31	33		
Manitowoc	Dec. 13–Feb. 27	14		
Marathon County	July 1–Sept. 30	2		
Milwaukee County—				
Milwaukee	Dec. 6–May 22	198		
Monroe County	July 1–Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6–Apr. 17	3		
Ozaukee County	July 1–Sept. 30	3		
Pierce County	July 1–Dec. 31	37		
Polk County	July 1–Dec. 31	4		
Racine County	Oct. 1–Dec. 31	1		
Racine	Mar. 21–Apr. 10	6		
Richland County	Oct. 1–Dec. 31	1		
Rusk County	July 1–Sept. 30	3		
Sheboygan County	July 1–Dec. 31	123		
St. Croix County	Oct. 1–Dec. 31	12		
Vernon County	Oct. 1–Dec. 31	6		
Total for State		677		
Grand total for the United States		11,504	50	

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Weekly morbidity and mortality table, cities of the United States.

[For smallpox see special table.]

Cities.	Week ended—	Population United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Altoona, Pa	May 22	38,973	12	1				4		1		1			
Ann Arbor, Mich	May 8	14,509	7	1	1							2		8	
Do	May 22	14,509	9	1	1							2			
Appleton, Wis	do	15,085	5												
Ashtabula, Ohio	do	12,949	2												
Baltimore, Md	do	508,957	197	17	30	3	1	9		11		99	1	13	
Bath, Me	do	10,477										18			
Bayonne, N. J	do	32,722						5		3					
Beaver Falls, Pa	do	13,000		1								2			
Berkeley, Cal	May 15	13,214	7					2		2		2			
Biddeford, Me	May 22	16,145	3												
Biloxi, Miss	do	5,467	4	2	1									1	
Boston, Mass	do	560,892	219	84	16	5	2	30	2	53	4	111	6	9	
Braddock, Pa	do	15,654	6			5		3	1	4	1				
Bradford, Pa	do	15,029	1					2				5			
Bridgeport, Conn	do	70,996	26	2	4			8		3		10			
Brockton, Mass	do	40,063	11	5	1	1		2	1			6			
Butte, Mont	May 13	30,470	13					4		1					
Do	May 20	30,470	12					5						1	
Cambridge, Mass	May 22	91,886	32	4	12			7		4	1	10			
Camden, N. J	do	75,935	32			1		5		6		1			
Camden, S. C	do	2,441	2									6			
Carbondale, Pa	do	13,536	7												
Charlotte, N. C	May 21	18,091	10			1						6			
Chelsea, Mass	May 22	34,072	7	2		1		2		2					
Chicago, Ill	do	1,698,575	563	65	83	38	2	100	10	93	11	629	8	43	4
Chicopee, Mass	do	19,167	5												
Cincinnati, Ohio	May 21	325,902	117	18	17	3		4		3		28		3	
Cleveland, Ohio	do	381,768	123	27	14	5		14		7		131		20	1
Clinton, Mass	May 22	13,667	4	1	1										
Columbus, Ga	do	17,614	6												
Columbus, Ohio	do	125,560	48	5	11	4		5				23		2	
Concord, N. H	May 15	19,632	15	2	2							73			
Council Bluffs, Iowa	May 24	25,802	7			1				2	1	1			
Covington, Ky	May 22	42,938	9		4										
Danville, Ill	May 23	16,534	5					2							
Davenport, Iowa	do	35,254		1						2		1			
Dayton, Ohio	May 22	85,333	45		2			2		4	1	26	1	3	
Duluth, Minn	May 20	80,000	19	4				25	1	11	1	27			
Dunkirk, N. Y	May 22	11,616	5			1				1					
Elizabeth, N. J	Mar. 6	52,130	18		4	4		3	1	7	1				
Do	Mar. 13	52,130	26		2	1		8		10	1	1		1	
Do	Mar. 20	52,130	22		3	1	1	1		7	1				
Do	Mar. 27	52,130	25		1	2	1	3		4	2	5		1	
Do	Apr. 3	52,130	25		6			2		3	1	5		1	
Do	Apr. 10	52,130	21		4		1	4		9		6			
Do	Apr. 17	52,130	33		1					7	2	9			
Do	Apr. 24	52,130	17		1	1				6		9			
Do	May 1	52,130	21		3			3		2		5			
Do	May 8	52,130	24		2	1		4		2	1	2			1
Elmira, N. Y	May 22	35,672	9	2		2		4		2		10			
Elkhart, Ind	do	15,184	8					1							
El Paso, Tex	May 25	15,905	24	12	3	4				1		2			
Erie, Pa	May 22	52,733	17	3								110		10	1
Evansville, Ind	do	59,007	11	2	5	1	2			1					
Everett, Mass	do	24,336	8	1				8		1		2			
Fall River, Mass	do	104,863	33	24	3							1		1	
Findlay, Ohio	do	17,613	4		1			1							
Galesburg, Ill	do	18,607	14												
Galveston, Tex	May 21	37,789	11	3	1		1			2					
Glens Falls, N. Y	May 22	13,543	3									9			
Gloucester, Mass	do	26,121	5												
Grand Rapids, Mich	do	87,565	19	2		1		9	1			2		4	
Greensboro, N. C	do	10,035	5		1	1									
Greenville, S. C.[a]	Apr. 3	11,860	2					2				3			
Do	Apr. 17	11,860	3					1				2			
Do	Apr. 24	11,860	3					1				1			
Do	May 21	11,860	2					1				1			

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Hammond, Ind	May 22	12,376	6									7	1		
Harrison, N. J	do	10,596	3												
Hartford, Conn	May 23	79,850	35	5	4	4		2		6		1			
Haverhill, Mass	May 22	37,175	14	4	1	1		5		1		6		1	
Hoboken, N. J	do	59,364						4		2					
Homestead, Pa	May 21	12,554	5		1							11	1	2	
Hyde Park, Mass	May 22	13,244	3					1							
Indianapolis, Ind	May 23	169,164	51	2	14	1		4		1		64			
Jacksonville, Fla	May 22	28,429	16		2	1									
Jersey City, N. J	May 23	206,433	85		15			15	1	11	3	11	1	3	1
Johnstown, Pa	May 15	35,936	12					19	2	1		29			
Do	May 22	35,936	18		1	2		10	2	2	1	17			
Kalamazoo, Mich	do	24,404	20	4	1	1						21		6	
Kansas City, Kans	do	51,418	25		1	1				4		27	1		
Kansas City, Mo	do	163,752	57	3	6	4	2	7	3	6	1	17			
Kearney, N. J	do	10,896	5							7		2			
Knoxville, Tenn	do	32,637	12									1			
La Crosse, Wis	do	28,895	5					2							
Lafayette, Ind	May 24	18,116	7		1			2							
Lancaster, Pa	May 8	41,459	14					1		1		10		2	
Do	May 22	41,459	12			3		4				20			
Lawrence, Mass	do	62,559	25	3	5			2		2		36			
Lebanon, Pa	do	17,628	7		1			1				2			
Lexington, Ky	do	26,369	14		1		1	1							
Little Falls, N. Y	May 15	10,381		7				4							
Do	May 22	10,381	2	7				3		2					
Los Angeles, Cal	May 15	102,479	55	8	8	2		7		5		9			
Lowell, Mass	May 22	94,969	32	1	2	2		2		3		1			
Lynn, Mass	May 15	68,513	25					8		7	1	4			
Do	May 22	68,513						4	1	5					
Macon, Ga	May 9	22,746	5												
Do	May 23	22,746	7	1	1										
Malden, Mass	May 22	33,664	8	3		1		3				3			
Manchester, N. H	do	56,987	27	4	4	3	1			3		1			
Mansfield, Ohio	do	17,650						1		1					
Marinette, Wis	do	16,195	1					1							
Marlboro, Mass	May 15	13,609	3					1		1		3			
Do	May 22	13,609	1												
Massilon, Ohio	do	11,944	4								1				
Medford, Mass	do	18,244	5	1	1										
Milwaukee, Wis	do	285,315	97	18	9			29	4	7	1	45	3		
Mobile, Ala	do	38,469	13			16	2			1					
Montclair, N. J	do	13,962	2	1				6							
Montgomery, Ala	May 21	30,346	14		2		1								
Moline, Ill	May 23	17,248	3					3	1	2					
Morristown, N. J	May 22	13,000	5	1				3	1			34			
Mount Vernon, N. Y	do	21,228	6	2	1			1							
Muncie, Ind	do	20,942	2					2							
Nanticoke, Pa	May 23	12,616	2	1				2		3	1	13	1		
Nashville, Tenn	May 22	80,865	32	3	3	2		1		3					
Nebraska City, Nebr	do	7,200	1			1						14			
Newark, N. J	do	246,070	112		16	2		54	4	19					1
New Bedford, Mass	do	63,442	29	3				4		1		2		4	
Newburyport, Mass	do	14,478	8		2	3									
New Orleans, La	do	278,104	142	18	20	10	1	72	1	10	2	2			
Newport, Ky	do	28,301	5					1		1					
Newton, Mass	do	33,587	9			1		2				31	1		
New York City	do	3,437,202	1,466	678	195	48	7	335	19	355	20	1,365	12	105	12
Niagara Falls, N. Y	do	19,457	7		1	1		3		1		4			
North Adams, Mass	do	24,200	6	1	1			1				1			1
Orange, N. J	do	24,141	7	1				6		1		3			
Paducah, Ky	May 23	19,446	3	2	1										
Palmer, Mass	May 22	7,801						2							
Peekskill, N. Y	do	10,358	7		1			3				4			
Pittsburg, Pa	do	321,616	154	57	14	15	1	14		4		21	1	31	1
Pittsfield, Mass	do	21,766	15	3	1	1		4				2		1	
Plainfield, N. J	do	15,369	5					9		1		3			
Plymouth, Pa	May 8	13,649		1						4		2		1	
Do	May 15	13,649		1											
Do	May 22	13,649								1		7			
Portsmouth, N. H	do	10,637						1							
Portsmouth, Va	May 25	17,427	9		1			1							

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population United States census, 1900.	Total deaths from all causes.	Cases and deaths. Tuberculosis. Cases.	Tuberculosis. Deaths.	Enteric fever. Cases.	Enteric fever. Deaths.	Scarlet fever. Cases.	Scarlet fever. Deaths.	Diphtheria. Cases.	Diphtheria. Deaths.	Measles. Cases.	Measles. Deaths.	Whooping cough. Cases.	Whooping cough. Deaths.
Pottstown, Pa	May 22	13,690	7			2		1				1			
Providence, R. I	do	175,597	61	15	4			6	2	7		3	1		
Quincy, Mass	Mar. 27	23,899	10		4			2		1		3			
Do	Apr. 3	23,899	9		1							5			
Do	Apr. 10	23,899	7	1	1			1		1		2			
Do	Apr. 17	23,899	10	1	1							5			
Do	Apr. 24	23,899	10	2	2					1		3			
Do	May 1	23,899	6							2		4			
Do	May 8	23,899	3					2				5			
Do	May 15	23,899	7			1						4			
Racine, Wis	May 22	29,102	15							2					
Reading, Pa	May 24	78,961	31	4	4	7	1	4		6	1			3	
Richmond, Va	May 22	85,050	44	6	5	6		1							
Rockford, Ill	do	31,051								2					
Rock Island, Ill	May 8	19,493	2												
Do	May 15	19,493	3												
Do	May 22	19,493	2												
Sacramento, Cal	do	29,282	12			2				2		1		1	
St. Louis, Mo	do	575,238	197	28	32	5	2	20	2	29	4	440	8	6	1
Salem, Mass	do	35,956		5				2		1				2	
Sandusky, Ohio	May 1	19,664	11		1	1						3			
Do	May 8	19,664	6		2							2			
Do	May 15	19,664	8		1	3						1			
San Francisco, Cal	do	342,782	105	28			2	13	1	25		42	1	8	1
San Jose, Cal	do	21,500	9		2								1		
Schenectady, N. Y	May 22	31,682	19	3						1					
Shamokin, Pa	do	18,202	4			3		1				14			
Somerville, Mass	do	61,643	15	8		1		8		2		19			
South Bend, Ind	do	35,999	10	2	2			4		1					
South Bethlehem, Pa	do	13,241	4		2			1	1			30	1		
Spokane, Wash	May 8	38,848	29		2	1		44	7	14	3	41	1		
Do	May 15	38,848	30			1		80	5	11	2	54	1		
Springfield, Ill	May 21	34,159	20							1					
Springfield, Mass	May 22	62,059	13	1		1			1		1	25	1		
Springfield, Ohio	do	38,253	10	5				1				1			
Steelton, Pa	Apr. 17	12,068	6					1		3		1			
Superior, Wis	May 22	31,091	3					10	1	4					
Tacoma, Wash	May 16	37,714	17	1	1	1	1	8		3	1	4			
Taunton, Mass	May 22	31,036	6	1	1			4	1			9		2	
Titusville, Pa	do	8,244	1					1							
Trenton, N. J	do	73,307		5	2	5	1	1		2	1				
Walla Walla, Wash	do	10,049	7					1							
Waltham, Mass	do	23,481	8					3		1		8			
Warren, Pa	May 17	8,043	5		1							1			
Washington, D. C	May 22	278,718	110	19	12	3	2	14		9	1	54	1	15	1
Weymouth, Mass	do	11,324	7												1
Wheeling, W. Va	do	38,878	9	1	1	3				2	1	9			
Wilkes Barre, Pa	May 21	51,721	21	4	3			2		5	1	58		1	
Wilkinsburg, Pa	do	13,000	3	3				2							
Williamsport, Pa	May 22	28,757	5	10	2			4							
Wilmington, Del	do	76,508	17		2		1								
Winona, Minn	May 25	19,714	7												
Woburn, Mass	May 22	14,254	7												
Worcester, Mass	May 15	118,421	43	5	2			10	1	1		3		1	
Do	May 22	118,421	38	11	4	1		5	1	8		2		1	
York, Pa	do	33,708		5				3		1		1			
Zanesville, Ohio	do	23,538	4			10	1			1					

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FOREIGN AND INSULAR.

ALGERIA.

Report from Algiers—Outbreak of typhus fever.

Consul Johnson reports, May 14:

There has been a sporadic outbreak of typhus fever in the Casbah, or old Arab town of Algiers, not extending to the modern city or the port. Numbers of Arabs have been driven to the city from the interior of the country by failure of crops. Typhus fever is endemic in the Arab villages in a mild form, but becomes virulent when imported into the towns. There have been about 200 cases in Algiers, with 35 deaths.

AZORES.

Report from St. Michael—Plague on islands of Fayal and Terceira—Quarantine maintained.

Consul Creevey reports, May 19:

The island of Fayal is still infected with plague. Official returns from the island of Terceira for the month of April, 1909, show 2 new cases of plague with 1 death.

The health of the island of St. Michael is officially declared good and strict quarantine is maintained against the islands of Fayal and Terceira.

BARBADOS.

Report from Bridgetown—Inspection and fumigation of vessels—Status of yellow fever—Sanitary regulations enforced.

Acting Assistant Surgeon Urquhart reports, May 15:

Week ended May 15. Bills of health were issued to 4 vessels. One vessel was fumigated. These vessels carried a total number of 14 passengers and 307 members of crews.

One new case of yellow fever was reported this week, the case being in the country about 14 miles north of this port. No case of yellow fever has occurred at Bridgetown since March 19. Sanitary regulations are still being rigidly enforced, and the streets, alleys, and back premises are kept clean.

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BELGIUM.

Further relative to plague cases on steamship Rubens at Antwerp—Vessel again deratized.

The following information is received from the Belgian legation through the Department of State, under date of May 21:

The *Rubens* sailed April 27, after being again deratized. The crew shipped with the exception of the two patients. One of the patients is entirely well. The condition of the second is considerably improved. No other case of plague has occurred.

See Public Health Reports, May 21, 1909, page 692.

CHINA.

Report from Amoy—Inspection of vessels—Examination of emigrants—Leprosy, plague, and smallpox.

Passed Assistant Surgeon Foster reports, April 20:

Week ended April 17. Bills of health issued to 2 steamships.

April 11, the British steamship *Taisang*, with 66 in the crew, 38 cabin and 160 steerage passengers, for Manila, was granted a bill of health. Six steerage passengers were rejected for trachoma and 1 cabin passenger for leprosy.

April 12, the British steamship *Zafiro*, with 74 in crew, 106 cabin and 401 steerage passengers, for Manila, was granted a supplemental bill of health. Eight steerage passengers were rejected for trachoma and 2 steerage passengers for scabies.

Leprosy, plague, and smallpox are present in Amoy.

Reports from Shanghai—Inspection of vessels—Examination of emigrants—Plague-infected rats; new foci of infection found—Smallpox on U. S. S. Helena.

Acting Assistant Surgeon Ransom reports, April 20 and 28:

Week ended April 17. One original and 8 supplemental bills of health were granted to 9 vessels having an aggregate personnel of 3,364. There were inspected 3 vessels, 416 members of crews, and 19 steerage passengers; also 2 pieces of personal effects. Manifests were viséed for 6,382 packages of freight. One emigrant for San Francisco per steamship *Korea* was examined and passed, and 1 was rejected on account of trachoma.

The United States cruisers *Galveston*, *Charleston*, *Denver*, *Cleveland*, and *Chattanooga* were granted bills of health for ports in Japan and China, with Manila as the final destination, upon certificate from their surgeons.

Infected rats continue to be found.

At the request of the surgeon of the United States ship *Helena* I visited that vessel on Friday, April 16, to inspect the vaccinations of the crew. Fifty-seven members of crew were revaccinated. Of the remaining members of the crew there were about 20 typical "takes," while the remainder showed reaction to a greater or less degree. The case of smallpox removed from this vessel developed a very severe confluent type. Two suspects are at present in the isolation hospital.

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Week ended April 24. One supplemental bill of health was granted during the week to 1 steamship with a personnel of 63. There were inspected 1 vessel and 63 members of crew. There were also inspected 21 packages of freight, 1 of which, green hides, was rejected and 20 of which were disinfected with formalin.

Plague conditions in Shanghai remain unchanged. No human cases have been reported. Plague-infected rats continue to be found in the several sections of the settlement. Since my last report 20 new foci of rat infection have been discovered, distributed as follows: Eastern district, 10; northern district, 8; central district, 2. In the eastern district one focus was established adjoining the water works. The remainder of these foci in this district were in the immediate vicinity of localities previously known to be infected. But in the case of the northern and central districts considerable new territory was involved.

Reports from Hankau for the week ended April 17 show that relapsing fever prevails to some extent among the poorer class of natives at that place. The same reports show that a foreign hide inspector there died of pulmonary anthrax.

COSTA RICA.

Reports from Limon, fruit port.

Acting Assistant Surgeon Goodman reports:

Week ended May 15. Estimated population, 8,000. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 8	Greenbrier	New Orleans	46	1	0
9	San Jose	Boston	44	6	0
10	August Wilhelm	New York	140	47	24
11	Zent	do	53	13	0
12	Abangarez	New Orleans	86	7	28
14	Chirripo	New York	54	16	0

Week ended May 22. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 15	Bertha	New Orleans	25	0	0
16	Esparta	Boston	43	7	0
17	Sibiria	New York	60	22	0
19	Parismina	New Orleans	91	3	75
20	Corinto	do	21	6	0
21	Chickahominy	do	46	0	0
22	Helen	Mobile	22	0	0

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CUBA.

Report from Cienfuegos—Inspection of vessel.

Acting Assistant Surgeon Suarez reports, May 17:

Week ended May 15.

Vessel inspected	1
Bill of health issued	1
Members of crew inspected	30

Report from Habana—Inspection of vessels—Leprosy—Mosquitoes.

Passed Assistant Surgeon Amesse reports, May 25:

Week ended May 22.

Bills of health issued	19
Vessels inspected	17
Members of crews of outgoing vessels inspected	841
Passengers of outgoing vessels inspected	548

On the American steamship *Olivette*, sailing May 22 for Key West and Tampa, a leper was found among the passengers and sent ashore. In the lazarettoes of Cuba there are at present 299 lepers, representing but a portion of the cases actually existing. For the first ten-day period of May 13 cases of leprosy were reported in the Republic of Cuba.

Since the beginning of the rainy season mosquitoes have become more numerous in Habana, belonging almost exclusively to the species *Culex solicitans*.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, May 24:

Week ended May 20. Nine bills of health were granted to vessels clearing for the United States with an aggregate number of 271 members of crews and no passengers. There were no vessels fumigated. No quarantinable diseases have been reported within this district.

Report from Santiago—Inspection of vessels—Leprosy still present.

Acting Assistant Surgeon Wilson reports, May 19:

Week ended May 15. Bills of health issued to 7 vessels bound for the United States and its dependencies. No vessel fumigated. No new quarantinable disease has been reported. Three cases of leprosy are under treatment.

GERMAN EAST AFRICA.

Plague in district of Muanza.

The following information is taken from the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, May 5:

Sixty plague deaths are reported, under date of April 14, in the district of Muanza.

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GAUTEMALA.

Reports from Puerto Barrios, fruit port—Stegomyia.

Acting Assistant Surgeon Ames reports as follows:

Week ended May 15. Present officially estimated population, 350. General sanitary condition of this port and the surrounding country during the week, good. *Stegomyia calopus* present.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 12	Belize	Mobile	18	0	0
13	H. I. Inge	New Orleans	32	18	15
14	G. A. Lowry	Mobile	7	0	0

Temperature taken of all persons on above-named vessels day of sailing.

HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, in temporary charge, reports, May 10:

HONOLULU.

Week ended May 8, 1909.

Total rats taken	571
Trapped	551
Shot from trees	17
Found dead	3
Examined bacteriologically	429
Plague infected	0
Classification of rats trapped:	
Mus alexandrinus	73
Mus musculus	272
Mus norvegicus	85
Mus rattus	121
Classification of rats shot from trees:	
Mus alexandrinus	8
Mus rattus	6
Average number of traps set daily	1,410
Number of poisons placed (barium carbonate)	435

HONDURAS.

Report from Ceiba, fruit port.

Acting Assistant Surgeon Jumel reports:

Week ended May 19. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good.

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Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
May 13	Navigator	20	0	0	0
13	Habil	14	0	0	0
14	Rosina	33	10	0	0
17	Harald	20	0	0	0
19	Orleanian	35	9	0	0
19	Elsie Louise	6	0	0	0
19	Union	7	0	0	0

Report from Puerto Cortez, fruit port.

Acting Assistant Surgeon Ames reports as follows:

Week ended May 19. Present officially estimated population, about 2,500. General sanitary condition of this port and the surrounding country not reported. No quarantinable disease.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
May 17	Agnella	18			
19	Preston	27			

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

Week ended May 15. Present officially estimated population, about 1,500. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 9	Bluefields	New Orleans	22	0	0
9	Colombia	Mobile	19	0	0
12	Bluefields	New Orleans	22	0	0

INDIA.

Report from Bombay—Plague campaign—Measures taken to check spread of smallpox from pilgrim ships from Jiddah.

Consul Dennison reports, April 23:

The report of the Bombay health officer for the past quarter states that the mortality was lower by 1,352 than in the corresponding quarter last year, and the difference in the figure between this period and the mean of the corresponding quarter since plague began is very considerable. The report states that the destruction of rats, inocu-

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lation, and other preventive measures have been vigorously pressed. The large scale on which the rat campaign has been organized is shown by the fact that 100,000 rats were sent to the laboratory for examination during the past quarter. Inoculation, however, does not become any more popular, and a smaller number of inoculations is reported than was performed in the corresponding quarter of last year. The report also shows that the port health officer and president of the Haj committee have cooperated with the executive health officer in checking the spread of infection from smallpox brought by pilgrim ships from Jiddah.

Report from Calcutta—Transactions of Service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, April 29:

During the week ended April 24, a bill of health was issued to the steamship *Rauenfels*, bound for Boston and New York, with a total crew of 70. The usual precautions were taken, the holds fumigated, rat guards placed on the wharf lines and the Asiatics' effects disinfected.

During the week ended April 17, 108 deaths from cholera, 90 from plague, and 171 from smallpox, in Calcutta. In Bengal there were 274 cases of plague with 235 deaths. In India there were 5,309 cases of plague with 4,594 deaths.

ITALY.

Reports from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, May 10 and 17:

Vessels inspected at Naples and Palermo, week ended May 8.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
May 3	Bulgaria	New York	1,234	160	1,450
5	Re d'Italia	do	918	110	1,250
5	Romanic	Boston	1,081	210	1,320
6	Calabria	New York	497	50	720
	Total		3,730	530	4,740

PALERMO.

May 6	Re d'Italia	New York	379	540	240
7	Calabria	do	456	550	100
	Total		835	1,090	340

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Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
May 3	Bulgaria	46	4	26	1	15	92
5	Re d'Italia	36	8	24	.....	13	81
5	Romanic	27	6	13	.....	16	62
6	Calabria	16	4	8	.....	5	33
	Total	125	22	71	1	49	268

PALERMO.

May 6	Re d'Italia	15	.....	20	.....	2	37
7	Calabria	15	.....	15	.....	5	35
	Total	30	.....	35	.....	7	72

Vessels inspected at Naples week ended May 15.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
May 11	San Giovanni	New York	1,534	190	1,100
11	Roma	do	894	180	1,350
12	Slavonia	do	.....	.....	.....
12	Duca di Genova	do	1,408	220	1,680
12	Batavia	do	460	50	650
14	Prinzess Irene	do	1,194	120	1,480
15	Ancona	Philadelphia	1,179	180	1,680
15	Virginia	New York	1,083	150	1,450
	Total		7,752	1,090	9,390

Rejections recommended.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
May 11	San Giovanni	25	2	9	.....	3	39
11	Roma	13	3	6	.....	8	30
12	Slavonia	.....	.....	.....	.....	.....	.....
12	Duca di Genova	27	6	27	.....	18	78
12	Batavia	19	1	13	.....	11	44
14	Prinzess Irene	42	3	11	2	20	78
15	Ancona	32	4	19	.....	10	65
15	Virginia	51	5	31	.....	9	96
	Total	209	24	116	2	79	430

Smallpox in Naples.—Week ended May 9. Nine cases of smallpox with 7 deaths were reported at the health office of the city of Naples.

Week ended May 16. Eight cases reported.

Status of smallpox in Italy.—Week ended May 9. Cases: Movara, 1; Binosco, 3; Bollate (Milan), 1; Zeltre (Bellum), 2; Bologna, 1; Casoria (Naples), 9; Sant' Egidio Montolbrin (Palermo), 2; Lourio (Potenza),

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3; Oppido Momertino, 2; Gallico, 1; Varapodio (Reggio Calabria), 5; Raffadali, 1; Ravaunso (Girgenti), 1.

Week ended May 16. Cases: Lissone (Milan), 1; Molina Aterno (Aquila), 1; Pierno (Potenza), 3.

JAPAN.

Report from Yokohama—Inspection of vessels—Fumigation of vessels for rat destruction—Plague—Meeting of sanitary officers of the Empire.

Passed Assistant Surgeon Cumming reports, May 5:

Week ended May 1. Bills of health were issued to 1 sailing vessel bound for Agana, Guam, and 4 steamships, the *Tango Maru* with 42 saloon, 123 steerage, and 116 members of crew, for Seattle; the *Manchuria* with 103 saloon, 210 steerage, and 264 members of crew; the *Suveric* with 69 members of crew, and the *Yawata Maru* with 8 saloon, 2 steerage, and 100 members of crew, all for Manila via ports.

Owing to the plague in Shanghai and the numerous outbreaks in the Orient, the port authorities are fumigating vessels for destruction of rats.

One case of plague occurred during the week in the district from which infected rats have been and are now being found. A man from Kobe died at a hotel in Himeji, from plague, April 30.

The annual meeting of the sanitary officers of the Empire is now taking place and regulations regarding vaccination, diagnosis of leprosy, etc., are being discussed.

Report from Kobe—Inspection of vessels—Examination of emigrants—Plague.

Acting Assistant Surgeon Knight reports, April 30:

Week ended April 24. Supplemental bills of health granted to 6 steamships.

There were inspected 148 members of crews and 579 steerage passengers. Twenty-seven members of crews and 54 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 195 and of bedding 106. Manifests were viséed for 39,536 pieces of freight, amounting to 3,944 tons.

Emigrants were examined as follows: Steamship *Korea* for Honolulu, passed 10, recommended for rejection 12. Steamship *Korea* for San Francisco, passed 1, recommended for rejection 1; steamship *Tango Maru* for Seattle, passed 29, recommended for rejection 9. The emigrants passed, together with 14 intending passengers to Victoria by the steamship *Tango Maru*, were inspected, bathed, and disinfected. Their effects were disinfected before embarkation.

The official returns of infectious diseases for the week show that there were reported in Kobe 2 cases of plague with 2 deaths.

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Report from Nagasaki—Examination of emigrants—Sanitary conditions.

Acting Sanitary Inspector Thompson reports:

April 17. One emigrant recommended for rejection; cause of rejection, trachoma.

April 24. No quarantinable disease present.

MEXICO.

Report from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports, May 20:

Week ended May 19. Inspected 4 steamships preliminary to issuing bills of health.

The health of the port is satisfactory.

Report from Mexico City—Case of yellow fever at Tekax, Yucatan.

The following is received from the superior board of health of Mexico, under date of May 24:

A case of yellow fever occurred May 16 at Tekax, 106 kilometers from Merida. The prophylactic measures previously reported have been applied.

Report from Progreso—Inspection and fumigation of vessels—Sanitary measures enforced—Inspection of outgoing passengers—Yellow fever in Yucatan during April, 1909—Yellow fever case, imported.

Acting Assistant Surgeon Harrison reports, May 15:

Period from May 7 to 15.

Bills of health issued	6
Vessels fumigated	3
Members of crews	283
Passengers from this port	38

The sanitary conditions were fair throughout the country and no quarantinable disease was reported.

Sanitary measures appear to be well enforced. All vessels arriving at this port are inspected and all suspicious cases, if there are any on board, removed to the lazaretto and the ship is subjected to disinfection, if necessary, before passengers are allowed to land or the cargo to be discharged. All outgoing passengers are examined by the Mexican medical officer before going on board. All persons on trains are subject to inspection en route. A memorandum of their destination and of their intended place and length of sojourn is kept. They are subject to constant observation while in the State if strangers or transients, and all persons not known to be immune are isolated when affected with any suspicious disease. The city of Merida is divided in 4 or 5 districts, to each of which are assigned a medical inspector and several assistants, who make frequent visits to residences in their respective districts, keep note of immune and nonimmune occupants, of the entry and departure of nonimmunes, and of all matters of sanitary interest; isolate suspects, petrolize or

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compel the removal or proper covering of water receptacles, and, when necessary, practice disinfection of infected premises. Monthly reports are made to the chief officer of sanitation.

The report on yellow fever in Yucatan for April, 1909, is as follows:

At Merida it was reported, May 14, that there was "1 new case of yellow fever in the lazaretto." The case came from Tekax, a small interior town. This is the first case in Merida since March 3. Ticul, 2 cases, 1 death; last case, April 9. San Bernardo, 1 case, 1 death; last case, April 25.

Report from Salina Cruz—Fumigation of vessel.

Acting Assistant Surgeon Gochicoa reports, May 16:

Week ended May 15. One vessel fumigated.

Report from Tampico—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Stowe reports, May 20:

Week ended May 19.

Vessels inspected and passed	5
Bills of health issued	5
Members of crews inspected	99
Passengers inspected	14
Vessel fumigated prior to sailing	1

No cases of quarantinable disease occurred during the period.

Report from Veracruz—Inspection and fumigation of vessels—Smallpox.

Acting Assistant Surgeon Carter reports, May 17:

Week ended May 16. Bills of health issued to 5 vessels, of which 1 was inspected and 4 were fumigated. Seventy-five passengers were inspected and 228 members of crews.

One case of smallpox was reported for the week. This case was isolated in the lazaretto, 3½ miles from the city. No other quarantinable diseases were reported for the week. There are few mosquitoes. The weather continues dry and hot.

NICARAGUA.

Report from Bluefields, fruit port.

Acting Assistant Surgeon Layton reports:

Week ended May 12. Present officially estimated population, 2,500. General sanitary condition of this port and the surrounding country during the week, good.

Drinking-water supply inadequate.

Bills of health issued to the following-named vessel:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 7	Imperator	New Orleans	20	7	0

Temperatures of all on board taken prior to sailing; all normal.

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PERSIA.

Report from Teheran—Plague on a vessel at Bushire from Bender-Abbas—Quarantine to be enforced.

The following is received from the Department of State, under date of May 27:

The minister at Teheran reports, under date of April 30:

The Persian ministry of foreign affairs states that on April 26 a vessel (probably Arabian) from Bender-Abbas, on the Persian Gulf, arrived at Bushire, having had 9 deaths on board from plague, and with 1 person suffering from the same disease, who subsequently died.

In consequence of this the stipulation of the convention of Paris in regard to quarantine will be strictly observed, and all vessels coming from Bender-Abbas will be subjected to quarantine for five days.

PERU.

Report from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Plague in Chilean ports.

Acting Assistant Surgeon Gutierrez reports, April 26:

Week ended April 24. Three steamships were fumigated. They carried an aggregate personnel of 213 members of crew and 119 cabin and 75 steerage passengers.

The following is the latest report on plague in Peru received from the Director de Salubridad Pública:

Locality.	Cases Apr. 9.	New.	Recovered.	Died.	Remaining Apr. 15.
Department of Lima	19	10	6	6	17
Department of Callao	4	2	1	1	4
Department of Libertad	28	4	4	2	24
Department of Arequipa	1	1	0	0	2
Department of Lambayeque	5	26	2	2	27
Department of Cajamarca	20	7	5	4	18

No new cases of plague have occurred at Callao.

Bills of health report plague in Chile as follows: Antofagasta, April 17, 9 cases isolated in the lazaretto; Iquique, April 18, 22 cases in the lazaretto, and 7 cases with 1 death during the last two weeks.

PHILIPPINE ISLANDS.

Report from Manila—Smallpox—Vaccination—Status of cholera in the provinces—Outbreak of cholera at Taytay—Inspection of vessels.

Chief Quarantine Officer Heiser reports, April 19:

Week ended April 17. Nine cases of smallpox with 2 deaths were reported for the city of Manila.

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For the week the following cases and deaths from cholera were reported from the provinces of the Philippines:

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Bohol	9	4	Rizal	1	1
Misamis	26	13	Cebu	2	1
Capiz	10	9	Sorsogon	1	4
Isabela	10	10			
Ilollo	1	1	Total	133	90
Negros Occidental	73	47			

Cholera.—Cholera made its appearance in the town of Taytay about 10 days ago, a total of 9 cases occurring, but no further cases have been reported for more than 5 days. Considerable interest attached to this small outbreak because a large commission composed of members of the bureau of health, the bureau of science, and the Philippine Medical School, being in all more than 15 medical men, were at work in that municipality making a study of the incidence of hookworm and a general sanitary survey of the conditions that exist in a native town of the Philippines. In addition to its other duties, this commission had special instructions to exercise vigilance with regard to any cases of cholera that might occur. From the foregoing it will be seen that the investigation of first cases could be carried out under the most favorable auspices, but that, in spite of this fact, no light could be thrown upon the origin of the first case. The case in question occurred in an old man, about 60 years of age, who had not been outside of Taytay for a number of weeks previous, and, so far as could be ascertained, the food which he ate was mostly obtained in Taytay itself and was common to the majority of the inhabitants. So far as known, there have been no other cases of cholera nearer Taytay than 50 miles. The remaining 8 cases could be more or less satisfactorily traced to the first case. An extensive examination is now being made for possible spirilli carriers, so far without success.

The number of cases in the remaining provinces of the Philippines remains about the same, the disease slowly spreading from town to town.

Smallpox.—It may perhaps be interesting to note that during the past 2 weeks there have been 36 cases of smallpox in Manila, of which 34 were of the varioloid form and occurred in persons who had not been previously vaccinated. No deaths resulted. The two remaining cases were unvaccinated Americans, both of whom died. This produced considerable excitement in Manila, and thousands of persons are flocking to the different health stations in order to be vaccinated. The service has been cooperating actively in this work, no less than 160 persons being vaccinated by the office force on duty in the office of the chief quarantine officer.

During the week consular bills of health were issued at the port of Manila as follows:

April 13, [illegible]ish steamship *Changsha*, with 72 members of crew and 9 pa[illegible]en route from Hongkong to Zamboanga, was granted a [illegible]tal bill of health. April 15, the United States [illegible]y tran[illegible], with 195 in the crew and with 713 passengers, [illegible]rante[illegible] health for San Francisco via Nagasaki and [illegible]lulu. [illegible] and passengers were bathed and their effects

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and baggage disinfected. The cargo and baggage was disinfected or passed after inspection. The vessel was only partially disinfected. All persons on board were inspected at the hour of sailing. April 15. the British steamship *Ning Chow*, with 93 in the crew, en route from London to Seattle and Tacoma, was granted a supplemental bill of health after inspection of cargo and personnel. April 16, the British steamship *Indrasamha*, with 64 in the crew, en route from Kobe to New York, was granted a supplemental bill of health after the usual supervision and inspection of cargo. April 17, the British steamship *Shimosa*, with 57 in the crew, en route from New York to Iloilo, was granted a supplemental bill of health.

RUSSIA.

Report from Libau—Status of cholera at St. Petersburg—Typhus fever in Russian cities—Examination of emigrants.

Acting Assistant Surgeon De Forest reports, May 14:

Cholera.—Fifteen cases of cholera, with 7 deaths, occurred at St. Petersburg from May 7 to 14, inclusive.

Typhus fever.—From 2 to 4 cases of typhus fever occur at St. Petersburg daily.

During the week ended May 9 there occurred 5 new cases of typhus fever in Libau. The disease is reported to be present in nearly every large city in Russia. Reports of its presence in Moscow, St. Petersburg, Kiew, and Wilna are received.

One thousand four hundred and thirty-six emigrants for steamship *Russia*, which leaves Libau May 18 for New York, have been examined. Of the number examined about 1,100 will sail on the date named.

SALVADOR.

Report from San Salvador—Decrease of smallpox—Vaccination.

Consul-General Frazier reports, April 27:

There has been a gradual abatement of smallpox in Salvador. The superior board of health of San Salvador reports, under this date: San Salvador, no cases; Santa Ana, 7 convalescent cases; Santiago de la Frontera, 12 patients, no new cases; Ahuachapan, 5 convalescent cases; Canton San Geronimo, department of Metapan, in the recently established hospital, 7 patients. Two deaths occurred before the opening of the hospital.

This statement represents the present status of the disease. Practically the entire population has been vaccinated.

(See Public Health Reports, March 5, 1909, p. 285.)

VENEZUELA.

Report from Caracas—Plague—Plague rats—Service representative appointed for duty in consulate.

The following is received from the Department of State, under date of May 24:

The American minister, in a telegram dated May 24, reports: "A case of bubonic plague developed at Caracas. Government active."

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May 28. The following report dated May 27 from the American minister at Caracas was received from the Department of State:

Two cases of plague officially declared since May 20. Government proceeding with great activity. After examination, rats found infected. Energetic sanitary measures being taken. Special isolation hospital. Thorough disinfection of premises and inoculation of occupants. Compulsory inoculation with lymph for persons leaving Federal district. Sanitary inspection of all houses. Up to the present time no cases are reported at La Guaira. Public health commission lately created is in charge, and reports directly to the government. Maritime sanitary police regulations adopted, and strict compliance therewith decreed by the executive.

Acting Asst. Surg. W. H. Kellogg, appointed May 6 for duty in the office of the American consulate at La Guaira, proceeded May 29 to La Guaira and Caracas with instruction to respond to any request made by the American minister for inspection or advice at Caracas or elsewhere.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

ALGERIA—*Algiers.*—Month of April, 1909. Estimated population, 155,000. Total number of deaths, 353, including enteric fever 3, smallpox 18, typhus fever 13, whooping cough 1, measles 3, diphtheria 2, and 53 from tuberculosis.

BRAZIL—*Sao Paulo, Santos, and Campinas.*—Two weeks ended April 11, 1909. Estimated population 300,000. Total number of deaths, 312, including whooping cough 2, diphtheria 2, enteric fever 4, smallpox 1, measles 1, leprosy 3, and 25 from tuberculosis.

CHILE—*Punta Arenas.*—Month of March, 1909. Estimated population, 12,000. Total number of deaths, 18, including 4 from tuberculosis.

COSTA RICA—*San Jose.*—Month of March, 1909. Estimated population, 26,682. Total number of deaths, 70, including enteric fever 4, and 6 from tuberculosis.

FRANCE—*St. Etienne.*—Two weeks ended April 30, 1909. Estimated population, 150,000. Total number of deaths, 121, including scarlet fever 2, and 18 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended May 8, 1909, correspond to an annual rate of 14.1 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand three hundred and four deaths were registered during the week, including measles 73, scarlet fever 10, diphtheria 13, whooping cough 35, tuberculosis 145, and 13 from diarrhea. The deaths from all causes correspond to an annual rate of 14.1 per 1,000. In Greater London 1,833 deaths were registered.

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In the "outer ring" the deaths included 11 from measles, 2 from diphtheria, 2 from scarlet fever, 1 from enteric fever, and 3 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended May 8, 1909, in the 21 principal town districts of Ireland was 18.3 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Galway, viz, 3.9, and the highest in Kilkenny, viz, 39.3 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended May 8, 1909, correspond to an annual rate of 16.2 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Perth, viz, 20.6, and the lowest in Paisley, viz, 12.5 per 1,000. The aggregate number of deaths registered from all causes was 577, including diphtheria 2, measles 8, scarlet fever 8, and 41 from whooping cough.

SPAIN—*Cadiz.*—Month of April, 1909. Estimated population, 69,382. Total number of deaths, 159, including enteric fever 3, whooping cough 16, and 16 from tuberculosis.

Malaga.—Month of February, 1909. Estimated population, 135,000. Total number of deaths, 337, including enteric fever 2, diphtheria 1, measles 1, and 18 from tuberculosis.

Seville.—Month of April, 1909. Estimated population, 148,315. Total number of deaths, 373, including enteric fever 1, diphtheria 3, measles 9, and 60 from tuberculosis.

WEST INDIES—*St. Thomas.*—Report for the first quarter, 1908. Estimated population, 11,000. Total number of deaths, 65, including whooping cough 1, and 5 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to June 4, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Jan. 2	16	13	
China:				
Hongkong	Dec. 28-Jan. 16	2	2	
India:				
Bombay	Dec. 9-May 4		386	
Calcutta	Nov. 1-Apr. 24		991	
Madras	Nov. 14-Apr. 9		61	
Negapatam	Oct. 31-Apr. 2		38	
Rangoon	Nov. 8-Apr. 17		86	
Indo-China:				
Cholen	Nov. 9-15	1	1	
Saigon	Mar. 1-6	2	2	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Manila	Nov. 1–Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1–Jan. 16	260	163	
Bataan	Nov. 1–7	1	1	
Bohol	Dec. 20–Apr. 17	550	270	
Bulacan	Nov. 1–Feb. 27	82	71	
Cagayan	Nov. 1–Apr. 10	175	108	
Capiz	Nov. 1–Apr. 17	1,535	873	
Cavite	Nov. 1–Feb. 20	110	81	
Cebu	Dec. 20–Apr. 17	36	20	
Ilocos Norte	Nov. 1–Jan. 16	335	235	
Ilocos Sur	Nov. 1–Jan. 2	207	140	
Iloilo	Nov. 1–Apr. 17	495	155	
Isabela	Jan. 24–Apr. 17	12	10	
Laguna	Nov. 1–Mar. 6	119	81	
Leyte	Nov. 1–Mar. 6	158	125	
Misamis	Apr. 11–17	26	13	
Negros Occidental	Nov. 1–Apr. 17	573	317	
Nueva Ecija	Feb. 14–20	1	1	
Palawan	Nov. 1–Dec. 19	10	5	
Pampanga	Nov. 1–Apr. 10	105	78	
Pangasinan—				
Taytay	Apr. 10–17	9		
Rizal	Nov. 1–Apr. 17	249	218	
Samar	Nov. 1–Mar. 13	196	223	
Sorsogon	Jan. 10–Apr. 17	134	92	
Surigao	Nov. 15–Jan. 12	7	4	
Union	Nov. 1–Jan. 12	12	8	
Zambales	Dec. 6–12	3	3	
Russia, general	Nov. 15–May 8	4,071	1,789	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15–Jan. 23	34	13	
Bakoo	Nov. 22–28	3	2	
Batoon	Nov. 15–21	4	2	
Charkov	Dec. 6–Mar. 13	6	1	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Mar. 6	190	97	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7–Mar. 20	63	28	
Kherson	Nov. 15–Dec. 19	2		
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1		
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3		
Romanov-Borisoglyebsk	Mar. 10			Present.
Rybinsk	Mar. 13	7		
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of	Dec. 19–26	1		
Stavropol	Nov. 15–21	1		
St. Petersburg, government	Nov. 15–Mar. 19	35		
St. Petersburg	Nov. 29–May 8	2,358	722	May 14, still present.
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 23	102	48	
Toula	Feb. 21–Mar. 6	7	2	
Tver district	Nov. 15–Dec. 5	4		
Volgoda	Dec. 6–12	1		
Yellsavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–Dec. 5	1		
Straits Settlements:				
Penang	Feb. 27	1		From s. s. Sunki Maru.
Singapore	Nov. 8–Apr. 24		167	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Barbados, general	Dec. 12–May 15	70	22	Including the parishes of St. Andrew, St. John, St. Joseph, St. Lucy, St. Michael, and St. Thomas.
Bridgetown	Dec. 12–Mar. 20	11		
Speightstown	Mar. 7	1		
Brazil:				
Bahia	Nov. 15–Apr. 30	193	76	
Manaos	Nov. 29–Apr. 3		16	
Para	Nov. 22–May 8		73	
Pernambuco	Nov. 15–Mar. 15		3	
Rio de Janeiro	Apr. 18–25	1		
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1–2	2	1	These cases were removed Dec. 26 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29–May 1		138	
Martinique:				
Fort de France	Dec. 13–Mar. 6	5	1	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–May 19	17	8	Case May 19 from Tekax.
San Bernardo plantation	Dec. 27–May 1	8	4	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Ticul	Feb. 1–Apr. 13	4	2	
Veracruz	Dec. 6–Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Arabia:				
Mascat	Apr. 16	1	1	From s. s. Agrica.
Azores:				
Fayal	Apr. 1	1		Sept. 22–Mar. 31, 10 cases additional.
Terceira	Mar. 31–Apr. 30	19	7	
Australia:				
Brisbane	Nov. 1–7	1	1	
Newcastle	Mar. 1–31	1		
Sydney	Mar. 6–12	5	1	
Belgium:				
Antwerp	Apr. 11	3		In quarantine at Doeul from s. s. Rubens.
Brazil:				
Bahia	Nov. 15–Apr. 30	61	28	
Para	Jan. 24–Feb. 6		2	
Pernambuco	Nov. 1–Dec. 31		10	
Rio de Janeiro	Nov. 16–Apr. 25	78	36	
Chile:				
Antofagasta	Feb. 28–Apr. 17	42		Apr. 17, 9 cases in lazaretto.
Arica	Mar. 9			Present.
Iquique	Jan. 1–Apr. 18	63	22	Year 1908, 133–70; Apr. 18, 22 cases in the lazaretto.
Magillones	Mar. 9–10	70		
Taltal	Feb. 11			Present.
China:				
Amoy	Mar. 6	1		Apr. 17, present in vicinity, and present at Wuchang in September.
Canton	Mar. 6–20	35	25	
Changchew	Apr. 3			Epidemic.
Chinchew	Mar. 7–Apr. 3			Present.
Fukien Province, Chang Poo	Mar. 7–13			Epidemic.
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–Apr. 3	31	23	
Tamchou	Dec. 19			Vicinity of Hainan; present.
Tientsin	Oct. 18–Nov. 21			Feb. 16, again present.
Tongshan	Nov. 1–14			Present.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Babohoyo	Jan. 16–Mar. 27	5		
Guayaquil	Nov. 29–May 1		106	
Milagro	Nov. 17–Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25–Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14–May 3	5	1	
Port Said	Dec. 4–May 3	4	2	
Suakim	Feb. 1	1		On ss. Hurlet II.
Provinces—				
Assiout	Dec. 2–May 3	28	22	
Beherach	Nov. 24–Dec. 26	11	6	
Dakaklieh	Feb. 4–Mar. 20	6	6	
Galyoobeeyeh	Nov. 21–Feb. 2	3		
Garbieh	Nov. 27–Jan. 28	4	2	
Girgeh	Oct. 18–Mar. 14	8	8	
Fayoum	Nov. 23–May 6	14	8	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–Apr. 20	19	9	
German East Africa:				
Dar-es-Salaam	Oct. 10–Jan. 7	7	5	
Muanza	Apr. 14		60	
Great Britain:				
Elstree	Feb. 3–4	1	1	At plague laboratory
India:				
Bombay Presidency and Sind.	Nov. 2–Mar. 20	19,451	13,886	
Madras Presidency	Nov. 2–Mar. 20	1,101	789	
Bengal	Nov. 2–Mar. 20	4,731	3,946	
United Provinces	Nov. 2–Mar. 20	7,096	5,934	
Punjab	Nov. 2–Mar. 20	13,279	10,673	
Burma	Nov. 2–Mar. 20	4,783	4,530	
Central provinces, including Berar.	Nov. 2–Mar. 20	5,268	4,141	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Mar. 20	2,823	2,026	
Hyderabad State	Nov. 2–Mar. 20	616	509	
Central India	Nov. 2–Mar. 20	750	582	
Rajputana	Nov. 2–Mar. 20	2,757	2,513	
Kashmir	Mar. 14–20	5	2	
Grand total		62,665	49,534	
Indo-China:				
Cholen	Oct. 25–Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25–Apr. 10	31	27	
Japan:				
Amagasaki	Feb. 27			Present.
Awaji Island, Sumoto	Feb. 27			Do.
Formosa	Nov. 8–Apr. 17	557	440	Mainly in the central and south central part.
Himeji	Apr. 30	1	1	
Hiogo, prefecture				Year 1908, 219 cases additional.
Kagi, prefecture	Jan. 16	5		
Kagoshima, prefecture	Feb. 6	1		From ss. Shinkochi Maru.
Kioto	Apr. 24	1	1	
Kobe	Jan. 20–Apr. 30	9	7	3 cases from ss. Ghazee. Feb. 27, again present. Apr. 3, 1 case in vicinity.
Mikagi	Feb. 27			Present.
Nara, prefecture				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases. Feb. 28, still present.
Osaka	Dec. 22–Jan. 29	3	1	Year 1908, 59 cases additional. Case Jan. 29, on s.s. Shinkochi Maru.
Tokushima, prefecture		1		Year 1908.
Yokohama	May 3	1	1	Do.
Yura		116	83	Do.
Mauritius	Oct. 2–Jan. 31		115	
Persia:				
Bushire	Apr. 30		10	On a vessel.
Peru:				
Arequipa, department	Feb. 19–Apr. 15	7	4	
Mollendo	Nov. 1–Feb. 18	1	5	
Cajamarca, department	Feb. 19–Apr. 15	67	42	
Cascas	Feb. 12–18	12	5	
Chota	Jan. 22–Feb. 18	8	8	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Callao, department	Feb. 19–Apr. 15	13	7	
Callao	Nov. 13–Feb. 18	18	11	Apr. 21, present.
Lambayeque, general	Feb. 19–Apr. 15	66	19	
Chiclayo	Nov. 13–Feb. 18	44	23	
Eten	Nov. 13–Dec. 31	11	10	
Jayanca	Feb. 4	12	.....	
Lambayeque	Feb. 18–Mar. 4	6	5	
Motupe	Dec. 17–Jan. 14	2	.....	
San Jose	Nov. 13–Dec. 3	2	.....	
Zaña	Jan. 14–Feb. 18	4	2	
Libertad, department	Feb. 19–Apr. 15	60	21	
Casma	Feb. 4	1	1	
Chepen	Nov. 27–Feb. 18	19	6	
San Pedro	Nov. 13–Feb. 18	28	21	
Trujillo	Nov. 13–18	153	70	
Lima, department	Feb. 19–Apr. 15	35	13	
Chorrillos	Jan. 22–Feb. 4	2	2	
Lima	Nov. 13–Feb. 13	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15	.....	
Piura, department	Feb. 19–Mar. 4	2	1	
Catacaos	Dec. 11–Feb. 18	7	.....	
Paita	Dec. 11–17	3	2	
Piura	Dec. 11–Jan. 14	6	4	
Russia:				
Libau	Mar. 30–Apr. 5	1	.....	
Siam:				
Bangkok	Sept. 27–Feb. 28	13	7	
Straits Settlements:				
Singapore	Nov. 30–Apr. 24	6	6	
Turkey in Asia:				
Bagdad	Nov. 6–May 12	17	7	
Beirut	Dec. 17–Jan. 9	5	5	
Jiddah	Dec. 12–Apr. 25	178	160	
Venezuela:				
Caracas	May 20	2	.....	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1–Apr. 30	.....	113	
Bona	Jan. 1–Apr. 30	80	47	
Arabia:				
Aden	Nov. 25–Feb. 22	.....	74	
Argentina:				
Buenos Aires	Oct. 1–Feb. 28	.....	5	
Australia:				
New South Wales—				
Newcastle	Nov. 1–30	1	.....	
Austria:				
Bohemia	Jan. 31–May 1	9	.....	
Galicia	Dec. 20–Apr. 10	10	.....	
Silesia	Jan. 3–May 1	6	.....	
Trieste	Mar. 21–27	1	.....	
Barbados:				
Bridgetown	May 1	1	.....	From s. s. Parima.
Brazil:				
Bahia	Nov. 15–Apr. 30	353	36	
Para	Feb. 14–Mar. 27	3	2	
Pernambuco	Nov. 1–Mar. 15	.....	118	
Rio de Janeiro	Nov. 16–Apr. 25	1,417	698	
Santos	Nov. 1–Dec. 20	.....	10	
São Paulo	Nov. 1–Apr. 11	.....	60	
British Honduras:				
Stann Creek	Feb. 5–Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28–Mar. 13	5	.....	
Durban	Mar. 20–27	1	.....	
East London	Apr. 10–17	1	1	From s. s. Elleric.
Canada:				
British Columbia—				
Vancouver	Dec. 1–Apr. 30	8	.....	
Victoria	Dec. 12–Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20–Jan. 20	6	.....	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
Ontario, Province, general	Dec. 1-31	118		
Hamilton	Jan. 17-23	1		
Toronto	Nov. 8-May 15	26		
Nova Scotia—				
Halifax	Dec. 13-May 22	85		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1-May 29	32		Revised.
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Ceylon:				
Colombo	Nov. 1-Apr. 17	198	4	Reports Dec. 19-Jan. 26 received out of date.
Chile:				
Concepcion	Jan. 15-31	1		
Santiago	Apr. 27			Epidemic in suburbs.
Talcaguana	Nov. 20-Jan. 28			Present in vicinity.
Valparaiso	Dec. 6-19	2		
China:				
Amoy, Kulangsu	Oct. 11-Nov. 8		2	Apr. 17, still present.
Canton	Mar. 6-Apr. 17	85		
Hankau	Mar. 20			Present.
Hongkong	Jan. 3-Apr. 3	18	6	
Shanghai	Nov. 11-Apr. 17	7	6	3 cases Nov. 11-Dec. 28 from U. S. transport Seward, case Apr. 17 from s. s. Helena.
Tientsin	Jan. 17-Apr. 24	17	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26-Apr. 3	5		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12-Feb. 25	737	164	
Alexandria	Nov. 26-Mar. 31	50	30	
Cairo	Nov. 19-May 6	504	144	
Suez	Feb. 19-Mar. 6	27	2	
France:				
Marseille	Dec. 1-Apr. 30		5	
Nantes	Mar. 15-21	1		
Nice	Jan. 1-Feb. 28	2		
Paris	Nov. 22-May 1	62	3	
Toulon	Jan. 1-31	1		
Germany, general	Nov. 19-May 15	92		
Bremen	Jan. 16-23	2		
Breslau	Dec. 20-26	1		
Brunswick	Feb. 16-20	1		
Hamburg	Mar. 13	2		Among Russian emigrants.
Konigsberg	Jan. 9	1		
Gibraltar	May 2	1		
Greece:				
Athens	Nov. 22-Mar. 6		5	
Patras	Dec. 16-31	1	1	
Great Britain:				
Bristol	Dec. 13-May 15	32	7	
Cardiff	Apr. 3-10	1		
Dunbar	Mar. 21-27	1		From a vessel.
London	Feb. 1-6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25-May 4		292	
Calcutta	Nov. 1-Apr. 24		3,398	
Madras	Nov. 28-Apr. 30		33	
Rangoon	Nov. 22-Apr. 24		95	
Indo-China:				
Cholen	Nov. 15-Dec. 5	6	5	
Saigon	Nov. 1-Apr. 10	47	28	
Italy, general	Nov. 30-May 16	390		
Catania	Feb. 28-May 8	9		
Cinquefrondi	Jan. 15-21	13		
Florence	Nov. 24-Mar. 10	4		
Genoa	Dec. 1-Apr. 30	11		
Naples	Dec. 7-May 16	421	68	Jan. 18, 1 case on s. s. Europa. Case Apr. 23 on s. s. Montevideo. May 1, 1 case on s. s. Verona.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy—Continued.				
Palermo	Jan. 24-Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15-21	2		
Japan:				
Formosa	Nov. 29-Mar. 13	19		
Kobe	Feb. 14-Mar. 6	5	2	3 cases in March from s. s. Ghasse from Singapore.
Tokyo	May 8-Dec. 31	314		
Java:				
Batavia	Nov. 1-Apr. 17	81	9	
Malta	Nov. 22-Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17-Apr. 10	7	2	
Mexico:				
Acapulco	Jan. 11-Feb. 14	15		
Acayucan	Mar. 17			Present.
Chihuahua	Apr. 19-May 23	6	1	
Guadalajara	Jan. 7-May 6		17	
Matamoras	May 9-15	1		
Mexico City	Nov. 8-Apr. 17		313	
Monterey	Jan. 4-May 16		75	
Puebla	May 9			Epidemic.
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Salina Cruz	Jan. 1-15	5		
Tampico	Apr. 28			Present at localities between Tampico and Tuspan.
Tehuantepec	Jan. 28-Feb. 3			Present.
Veracruz	Dec. 13-May 16	9	5	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Nymwegen	Apr. 28-May 4	1		
Rotterdam	Jan. 10-Mar. 27	1	1	
Newfoundland	Feb. 9-Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10-Apr. 3	11		Case Jan. 10 from s. s. Portia.
Norway:				
Bergen	Jan. 24-30		2	
Christiania	Nov. 22-28	1	1	
Paraguay:				
Asuncion	Dec. 20-26			Present.
Persia:				
Arabistan	Jan. 1-28			Do.
Dizfoul	Jan. 1-28			Do.
Hamadan	Oct. 2-Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Mar. 1-31	22		Present in October.
Mash-Had	Apr. 5			Present.
Mechedisser	Jan. 1-28			Do.
Mohammerah	Jan. 1-28			Do.
Sultanabad	Oct. 1-31			Do.
Tabriz	Oct. 2-Apr. 5			Do.
Teheran	Sept. 18-Oct. 28		17	
Trebizond	Jan. 16			Do.
Peru:				
Lima	Nov. 22-Dec. 31	11		Mar. 27, 1 case in the lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-Apr. 17	98	22	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-May 15	77		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1-Mar. 31	4		
Moscow	Nov. 20-May 1	479	183	
Odessa	Oct. 4-May 8	91	15	
Reval	Jan. 1-31	1		
Riga	Nov. 29-May 8	25		
St. Petersburg	Nov. 15-Apr. 24	231	66	
Warsaw	Nov. 1-Mar. 20		77	
Salvador:				
Ahuachapan	Apr. 27	5		In quarantine.
San Geronimo, Canton	Apr. 27	7	2	Matopan, department.
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6-Apr. 27	40		Present on routes to Guatemala.
Santiago	Apr. 27	12		

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Servia:				
Belgrade	Dec. 6–May 8	12	2	
Siam:				
Bangkok	Feb. 1–Mar. 31	141	90	Present in November.
Siberia:				
Vladivostok	Dec. 14–Feb. 14	2		
Southeast Africa:				
Lourenço-Marquez	Jan. 1–31	1	1	
Spain:				
Almeria	Jan. 1–Mar. 31		4	Apr. 1–Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6–May 17		81	
Cartagena	July 1–31		15	
Huelva	Mar. 1–31		2	
Madrid	Nov. 1–Apr. 30		118	
Valencia	Nov. 29–May 8	116	10	
Vigo	Nov. 30–May 8		13	
Straits Settlements:				
Penang	Mar. 1–27	2	2	Case Mar. 1 from s. s. Pentakota; case Mar. 27 from s. s. Hong Sin.
Singapore	Dec. 28–Apr. 3		11	
Switzerland:				
Zug, Canton	Apr. 11–17	1		
Zurich	Feb. 21–27	3		
Tripoli:				
Tripoli	Feb. 13–Apr. 24	181	31	
Turkey in Asia:				
Adalia	Sept. 24–27		2	
Bagdad	Feb. 13–Apr. 17			Present.
Bassorah	Jan. 3–May 1			Do.
Smyrna	Oct. 7–Apr. 15		74	
Turkey in Europe:				
Constantinople	Dec. 7–Apr. 25		69	
Trebizond	Feb. 7–May 2			Do.
Uruguay:				
Montevideo	Dec. 1–Feb. 28		13	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	May 8	181,918											2	4
Aguascalientes	May 16	40,000	80	3					3		1		2	
Aix-la-Chapelle	Apr. 24	159,725	61	1								1		
Amsterdam	May 8	566,218	173	23							1		2	2
Asuncion	Apr. 3	75,000	22	2						2				
Do	Apr. 10	75,000	20	2										
Athens	May 8	241,058	68	23						1		1	3	
Baracoa	do	27,000	6								1			
Barcelona	May 10	600,000	211	16				5		1		2	5	
Barmen	Apr. 24	161,400	48	3										
Barranquilla	do	40,000	11											
Do	May 1	40,000	12	1										
Basel	do	131,000	33	6									1	
Do	May 8	131,000	24	2								1		1
Belfast	May 1	386,576	141	25										3
Do	May 8	386,576	136	21										4
Bergen	May 1	87,749	21	3										
Berlin	Mar. 27	2,101,928	674	106						1	10	6	14	7
Do	Apr. 24	2,101,928	644	95						1	17	5	11	7
Birmingham	May 8	558,336	151								1	2	15	2
Bluefields	do	2,500	3	1										
Bombay	Apr. 27	977,822	1,131	54	508	25		20		3			2	
Bradford	May 1	293,983		6								1	1	2
Do	May 8	293,983	67	5								1		1
Bremen	May 1	234,719	63	10								2	1	

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Breslau	May 1	335,186	205	33								1	1	
Bristol	May 8	377,642	87	8								1	1	
Brussels	May 1	704,975	167	26							1		2	1
Do	May 8	704,975	175	27						3	1	3	2	
Cairo	Apr. 15	701,806	548	23				9	8	1		1	25	
Do	Apr. 22	701,806	542	33				5	9	5		3	36	
Do	Apr. 29	701,806	548	39				5	2	4		4	38	
Calcutta	Apr. 17	847,796	725	22	90	108		171					1	
Cartagena	May 9	30,000	19	1								1		
Chemnitz	May 1	272,442	96	8							1			
Coburg	...do	23,323	5											
Do	May 8	23,323	7											
Cognac	...do	19,483	8											
Cologne	May 1	469,879	158	22							5	2		3
Colombo	Apr. 3	155,869	97	12				1		5				
Do	Apr. 10	155,869	119	12				1		8			1	
Do	Apr. 17	155,869	106	15				2		4				
Copenhagen	Apr. 24	447,000	136	25							1	3	3	2
Damascus	...do	250,000	46											
Dresden	May 1	544,700	136	24								1	2	
Dublin	...do	394,525	179	33							1		2	13
Do	May 8	394,525	153	29									2	4
Dundee	...do	169,409	61											
Durban	Apr. 10	60,244	10	1										
Do	Apr. 17	60,244	10	3						1				
East London	Mar. 27	49,253	7							1				
Do	Apr. 3	49,253	4											
Do	Apr. 10	49,253	7	1										
Do	Apr. 17	49,253	11	1				1						1
Edinburgh	May 8	355,306	111	6										8
Flushing	...do	21,208	3											
Frankfort on the Main	May 1	362,600	100								2		2	1
Frontera	May 8	9,000	4											
Geneva	May 1	118,500	41									3		
Ghent	...do	164,579	45	5								1		
Glasgow	May 7	872,021	303							3	3	4		34
Do	May 14	872,021	273								6			26
Gothenburg	May 1	162,400	48	7								2		1
Do	May 8	162,400	51	10								1		1
Greenock	...do	72,300	18											
Guadalajara	May 13	125,000	129											
Halifax	May 15	40,787	14	4								3		
Hamburg	May 8	872,252	234	37							2	3	1	3
Havre	May 1	132,430	55	11										2
Do	May 8	132,430	57	18						1				
Hull	May 1	275,552	79								1	1	2	1
Do	May 8	275,552	63											
Konigsberg	May 1	239,100	92	11							1		1	2
Lausanne	...do	60,000	24											
Leeds	May 8	484,002	141	9								1	2	3
Leipzig	May 1	362,605	146	19					1	2	2	1	2	
Leith	May 8	85,721	28	4								1		1
Liege	May 1	176,465	48	6									2	
Liverpool	May 8	760,357	232	18							4	2	8	7
London	...do	4,833,938	1,304	145							10	13	73	35
Lubeck	...do	97,000	33								1	1		
Madras	Apr. 23	509,346	330					2					3	
Manchester	May 8	631,533	244	27						2	4	4	10	5
Mannheim	Apr. 24	182,811	51	6									4	
Manzanillo	May 8	1,700	2											
Do	May 15	1,700	6											
Matamoras	...do	8,000	7	2									1	
Milan	Apr. 25	900,000	198	30						4	1	1	2	
Do	May 2	900,000	228	37						2	6		7	
Monterey	May 16	100,000	82	4				10		1				
Montreal	May 15	378,856	130	16						2	3	1	1	1
Munich	May 8	566,000	177	27							1	1	4	
Naples	Apr. 3	593,729	312					2			1		1	
Do	Apr. 10	593,729	275										1	
Do	Apr. 17	593,729	281									1		
Do	Apr. 24	593,729	301					1			1	1		
Do	May 1	593,729	293					6				2		
Do	May 8	593,729	320					7					1	

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Newcastle on Tyne	May 8	281,584	81								1		3	4
Nuevo Laredo	May 15	8,000	5											
Nuremberg	Apr. 24	316,180	108	18							2			1
Odessa	May 1	467,000	195	37				1	1	3	2			2
Para	May 8	185,000	110	11			4							
Penang	Apr. 10	102,520	66	22										
Do	Apr. 17	102,520	59	11										
Plymouth	May 8	124,180	25								1	1	1	
Port Elizabeth	Apr. 10	32,959	18	4						2				
Do	Apr. 17	32,959	9	2										
Queenstown	May 8	7,684	5	1										
Rangoon	Apr. 17	252,155	193	8	30	5		9						
Rio de Janeiro	Apr. 4	811,443	272	65				8		2			1	2
Do	Apr. 11	811,443	254	56				5				1	1	1
Do	Apr. 17	811,443	257	59				5				1		
Do	Apr. 25	811,443	255	56				8		2		2		2
Rotterdam	May 8	413,337	117								1			
Saigon	Apr. 10	206,000			5			2						
St. Petersburg	Apr. 17	1,678,000	957	142		5		5		8	22	11	33	16
San Feliu de Guixols	May 8	11,094	6											
Santa Cruz de Teneriffe	do	46,000	15	2										
Santiago de Cuba	May 15	53,614	17	3										
Santos	Apr. 4	75,000	16	3								1		
Schiedam	Apr. 24	31,620	15	1										
Do	May 1	31,620	11	1										
Do	May 8	31,620	8											
Singapore	Apr. 10	260,000	215	27	2					3				
Southampton	May 8	124,667	31	2							1			
South Shields	do	117,627	36	4								2	2	1
Stettin	do	230,000	100	10								1	1	
Toronto	May 1	272,600	118							3	2	3		
Do	May 8	272,600	124							2	1	5		
Do	May 15	272,600	107									6		
Trieste	May 1	217,706	90									1		
Turin	May 7	381,439	137	11						1	1	1		
Veracruz	May 1	32,000	41	12										
Vevey	do	14,500	5											
Victoria, B. C.	May 8	30,000	8											
Do	May 15	30,000	9	1										
Vigo	May 1	40,000	16	7					2				2	
Do	May 8	40,000	11						1			1		
Warsaw	Mar. 13	751,595	285	66				1	5	4	4	2	10	3
Do	Mar. 20	751,595	300	64				5	3	4	3	2	5	1
West Hartlepool	May 8	66,750	22									2		
Winnipeg	May 18	122,000	33	1										
Zanzibar	Apr. 14	75,000	20	3										

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended May 29, 1909.

Sick inspected	5
Plague	0
Dead inspected	103
Plague	0
Premises inspected	2,347
Houses disinfected	62
Houses destroyed	1
Nuisances abated	295
Rats found dead	41
Rats trapped	2,732
Total rats taken	2,773
Rats identified:	
Mus norvegicus	1,968
Mus rattus	115
Mus musculus	637
Mus alexandrinus	29
Total	2,749
Rats identified as to sex:	
Male	972
Female	1,061
Total	2,033
Ground squirrels trapped	2
Rats examined bacteriologically	1,758
Plague rats	0
Ground squirrels examined bacteriologically	2
Plague squirrels	0
Poisons placed	18,145

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OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended May 22, 1909.

Dead inspected	21
Plague	0
Premises inspected	563
Premises reinspected (included in above)	400
Nuisances abated	104
Premises cleaned	98
Places made rat proof	1
Garbage cans installed	5
Rats found dead	59
Rats trapped	763
Rats identified	851
Mus norvegicus	815
Mus rattus	3
Mus musculus	29
Mus alexandrinus	4
Rats examined bacteriologically	822
Plague rats	0
Mice examined bacteriologically	29
Plague mice	0

POINT RICHMOND, CAL.

Week ended May 22.

Premises inspected	350
Nuisances abated	21
Rats found dead	14
Rats trapped	98
Rats examined bacteriologically	101
Plague rats	0

ALAMEDA COUNTY, CAL.

Week ended May 22.

Dead inspected	44
Plague	0
Necropsies held	2

CONTRA COSTA COUNTY, CAL.

Week ended May 22.

Dead inspected	3
Plague	0
Ground squirrels shot	49
Ground squirrels trapped	11
Ground squirrels examined bacteriologically	60
Plague squirrels	0
Ranches inspected	15
Acres covered with poison	139½
Poisons placed	1 834

Plague-infected squirrel found in Contra Costa County, Cal.

Doctor Blue further reports:

June 7. Plague-infected squirrel found June 4 on Roots' Ranch, 2 miles from Lafayette, Contra Costa County.

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Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports May 24:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended May 22.

Rats received	922
Rats necropsied	922
Plague rats found	0
Plague-infected rats to date	21

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA.—Month of April, 1909. Estimated population, 2,037,929. Total number of deaths reported to the state board of health, 2,616, corresponding to an annual death rate of 15.6 per 1,000 of population, including diphtheria 23, enteric fever 19, measles 12, scarlet fever 8, whooping cough 18, smallpox 1, and 422 from tuberculosis.

IOWA—*Cedar Rapids.*—Month of May, 1909. Estimated population, 35,000. Total number of deaths 32, including diphtheria 1, and 1 from tuberculosis. Cases: Smallpox 3, diphtheria 2, and measles 1.

FLORIDA.—Report from the state board of health of cases of communicable diseases for the week ended May 29, 1909, shows as follows: *Diphtheria.*—Jacksonville 3; Anthony and Ocala each 1 case. *Malaria.*—Crescent City 3; Jacksonville 19; Lake Butler 3; Tampa 9; Bayard, Live Oak, and Williston each 1 case. *Tuberculosis.*—Jacksonville 2; Tampa 3; Cocoa, Daytona, Fort George, Floral City, Lake Butler, Lakeland, Middleburg, Tallahassee, and White Springs each 1 case. *Enteric Fever.*—Blitchton and Jacksonville each 2 cases; Bayard, Fort Myers, and Live Oak each 1 case.

MONTANA.—Month of April, 1909. Estimated population, 280,000. Reports to the state board of health show as follows: Total number of deaths, 352, including diphtheria 11, enteric fever 4, scarlet fever 17, measles 1, and 14 from tuberculosis. Cases: Diphtheria 72, enteric fever 3, measles 214, scarlet fever 224, and smallpox 65.

NEW YORK—*Saratoga Springs.*—Month of May, 1909. Estimated population, 11,822. Total number of deaths 17. Cause of deaths not reported.

NEW JERSEY.—Reports to the state board of health for the month of May, 1909, show a total of 2,955 deaths, including diphtheria 56, enteric fever 14, measles 34, scarlet fever 45, whooping cough 27, and 390 from tuberculosis.

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OHIO—*Cleveland.*—Month of March, 1909. Estimated population, 515,000. Total number of deaths 682, including enteric fever 6, measles 4, scarlet fever 2, whooping cough 4, diphtheria 5, and 76 from tuberculosis. Cases not reported.

Month of April, 1909. Total number of deaths, 623, including enteric fever 3, measles 4, scarlet fever 5, whooping cough 4, diphtheria 1, and 51 from tuberculosis.

PENNSYLVANIA—*Altoona.*—Month of May, 1909. Estimated population 60,000. Total number of deaths, 53, including diphtheria 1, and 3 from tuberculosis. Cases: Diphtheria 6, scarlet fever 17, and enteric fever 1.

South Bethlehem.—Month of May, 1909. Estimated population, 14,000. Total number of deaths, 42, including enteric fever 1, measles 3, whooping cough 1, and 4 from tuberculosis. Cases: Scarlet fever 3, measles 86, whooping cough 2, and tuberculosis 2.

RHODE ISLAND—*Newport.*—Month of January, 1909. Estimated population, 25,000. Total number of deaths, 26, including 4 from pulmonary tuberculosis. Cases: Diphtheria 12, scarlet fever 1, and pulmonary tuberculosis 1.

Month of February, 1909. Total number of deaths, 34, including 3 from pulmonary tuberculosis. Cases: Diphtheria 2, scarlet fever 5, and pulmonary tuberculosis 4.

Month of March, 1909. Total number of deaths, 39, including 5 from pulmonary tuberculosis. Cases: Diphtheria 4, measles 3, scarlet fever 13, enteric fever 1, and pulmonary tuberculosis 2.

Month of April, 1909. Total number of deaths, 38, including 7 from pulmonary tuberculosis. Cases: Diphtheria 3, scarlet fever 6, and pulmonary tuberculosis 5.

WASHINGTON—*Seattle.*—Month of March, 1909. Estimated population, 276,000. Total number of deaths, 181, including enteric fever 3, scarlet fever 3, diphtheria 1, and 25 from tuberculosis. Cases: Diphtheria 18, smallpox 4, scarlet fever 37, measles 33, enteric fever 6, and tuberculosis 16.

WISCONSIN—*Milwaukee.*—Month of April, 1909. Estimated population, 370,000. Total number of deaths, 452, including enteric fever 11, scarlet fever 8, diphtheria 12, measles 2, whooping cough 1, and 36 from tuberculosis. Cases: Smallpox 32, tuberculosis 77, diphtheria 64, scarlet fever 111, enteric fever 31, and measles 275.

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Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to June 11, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Autauga County	Feb. 27–Apr. 5	11		
Prattville	Feb. 27–Apr. 5	3		
Dallas County	Feb. 20–Apr. 12	12		
Selma	Feb. 28–Apr. 12	26		
Jefferson County— Birmingham	Mar. 1–May 24	11		
Mobile County— Mobile	Jan. 12–Apr. 17	8		
Montgomery County— Montgomery	Mar. 13–Apr. 2		2	
Tuscaloosa County				86 cases year 1908.
Total for State		71	2	
Arizona:				
Winslow	May 1–3	1	1	
Total for State		1	1	
Arkansas:				
Allbrook	Jan. 1–Mar. 25	40		
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		148		
California, general	Nov. 1–Mar. 31		5	
Berkeley	Apr. 18–24	1		
Los Angeles	Dec. 6–May 15	23	1	
Oakland	Nov. 1–Apr. 26	18		
Sacramento	Nov. 1–May 15	62		
San Francisco	Dec. 13–May 22	37		
Stockton	Nov. 1–May 1	13		
Total for State		154	6	
Colorado, general	July 1–Feb. 23	57		
Archuleta County	July 1–Dec. 31	1		
Boulder County	Mar. 1–31	2		
Chaffee County	July 1–Mar. 31	2		
Clear Creek County	Mar. 1–31	1		
Conejos County	Mar. 1–31	2		
Denver County— Denver	July 1–Mar. 31	18		
Douglas County	July 1–Dec. 31	5		
Fremont County	July 1–Dec. 31	1		
Garfield County	Mar. 1–31	3		
Huerfano County	July 1–Mar. 31	12		
Larimer County	July 1–Dec. 31	1		
Las Animas County	Mar. 1–31	5		
Logan County	Mar. 1–31	3		
Mesa County	Mar. 1–31	2		
Morgan County	July 1–Mar. 31	13		
Phillips County	July 1–Dec. 31	4		
Pueblo County	Mar. 1–31	38		
Weld County	July 1–Mar. 31	20		
Total for State		190		
District of Columbia:				
Washington	Dec. 28–May 29	13		
Total for District		13		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Georgia:				
Bibb County—				
Macon	Mar. 14-May 30	40		
Cobb County	Jan. 16-Feb. 7	8		
Fulton County—				
Atlanta	Jan. 15-May 21	62		And vicinity.
Paulding County	Jan. 16-Feb. 7	15		
Total for State		125		
Illinois:				
Alexander County—				
Cairo	Jan. 7-Mar. 31	233		
Delta	Feb. 1-28	40		
Fayville	Feb. 1-28			Present.
Thebes	Jan. 1-Feb. 28	6		
Bureau County—				
Ladd	Nov. 1-30	4		
Carroll County—				
Savanna	Feb. 1-Mar. 31	3		
Cass County	Feb. 1-Mar. 31	4		
Champaign County	Mar. 1-31	1		
Christian County—				
Edinburg	Feb. 1-Mar. 28	27		
Taylorville	Aug. 1-Mar. 31	55		
Clinton County—				
Boulder	Feb. 1-28	1		
Carlyle	Jan. 1-31	1		
Coles County—				
Charleston	Jan. 1-30	1		
Cook County—				
Chicago	Jan. 3-May 29	13	1	
Fayette County	Mar. 1-31	3		
Franklin County—				
West Frankfort	Dec. 12-Feb. 13	15		
Fulton County—				
Canton	Jan. 1-Feb. 28	55		
Cuba	Jan. 1-31	1		
Farmington	Mar. 1-31	25		
Lewiston	Jan. 1-Mar. 31	26		
Norris	Feb. 1-Mar. 31	19		
Jackson County	Feb. 1-21	2		
Murphysboro	Jan. 1-Mar. 31	70	1	
Jasper County	Jan. 1-31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1-31	1		
Jo Daviess County—				
Galena	Jan. 1-31	3		
Kane County—				
St. Charles	Jan. 1-Mar. 31	2		
Kankakee County—				
Grant Park	Jan. 1-31	1		
Knox County—				
Galesburg	Feb. 14-May 15	11		
Lake County	Mar. 1-31	1		
Waukegan	Feb. 2-26	3		
Livingston County	Feb. 1-28	3		
McLean County—				
Bloomington	Jan. 1-Mar. 31	14		
Macon County	Feb. 1-Mar. 31	7		
Decatur	Jan. 1-Mar. 31	20		
Macoupin County		21		
Benld	Feb. 15-18	2		
Palmyra	Dec. 25-Jan. 20	4		
Scottsville	Dec. 25-Jan. 20	12		
Madison County—				
Alton	May 1-Apr. 30	3		
Marion County—				
Centralia	July 1-Jan. 20	53		
Kinmundy	Mar. 1-31	2		And vicinity.
Odin	Jan. 1-31	1		
Sandoval	Jan. 1-Mar. 31	3		
Mason County	Jan. 1-Mar. 31	12		Present in Bath, Havana, and Quiver townships.
Massac County—				
Metropolis	Jan. 1-Mar. 31	6		
Mercer County	Jan. 1-31	1		In North Henderson Township.
Montgomery County	Jan. 1-31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5-11	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Peoria County—				
Elmwood	Mar. 1-31	2		
Peoria	Dec. 20-Apr. 30	77		Present in Glassford and in Timber and Trivoli townships.
Pope County—				
Eddyville	Feb. 1-28			Present in vicinity.
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-Mar. 31	18		
Mound City	Jan. 1-31	7		Feb. 28, still present.
Randolph County—				
Percy	Jan. 1-Mar. 31	40		
Preston	Mar. 1-31	6		
St. Clair County	Feb. 1-Mar. 31	16		
Belleville	Dec. 4-Feb. 28	15		
Mascoutah	Jan. 1-31	1		
Millstadt	Jan. 1-Feb. 28	2		
Saline County—				
Eldorado	Jan. 1-Feb. 28	4		
Harrisburg	Mar. 1-31	8		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Springfield	Mar. 20-May 28	23		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Stephenson County—				
Freeport	Feb. 1-28	9		
Tazewell County	Jan. 1-Mar. 31			Present in Elm Grove, Green Valley, and Groveland townships.
Pekin	Jan. 1-Mar. 31	53		
Washington	Mar. 1-31	1		
Vermilion County—				
Danville	Jan. 11-May 30	91		
Rankin	Feb. 1-28	1		
Williamson County—				
Bush	Mar. 1-31	6		
Carterville	Jan. 1-Mar. 31	17		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-Mar. 31	19		
Woodford County—				
Roanoke	Mar. 1-31	3		
Total for State		1,297	2	
Indiana:				
Allen County	Dec. 1-Mar. 31	2		
Fort Wayne	Jan. 10-May 8	9		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Mar. 31	5		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-Mar. 31	36		
Cass County	Jan. 1-31	1		
Clay County	Oct. 1-31	8		
Clinton County	Feb. 1-Mar. 31	20		
Dearborn County	Oct. 1-Feb. 28	15		
Decatur County	Jan. 1-Mar. 31	9		
Delaware County	Dec. 1-Jan. 31	61		
Muncie	Mar. 27	1		
Elkhart County	Oct. 1-Mar. 31	20		
Elkhart	Jan. 17-Mar. 6	8		
Floyd County	Feb. 1-28	1		
Fountain County	Feb. 1-28	19		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-Mar. 31	6		
Grant County	Dec. 1-Jan. 31	7		
Union	Feb. 6	5		
Greene County	Jan. 1-31	1		
Hamilton County	Dec. 1-Mar. 31	30		
Harrison County	Dec. 1-Jan. 31	11		
Hendricks County	Nov. 1-Dec. 31	5		
Henry County	Jan. 1-Feb. 28	12		
Howard County	Jan. 7-Feb. 28	9		
Jennings County	Feb. 1-Mar. 31	11		
Johnson County	Feb. 1-Mar. 31	2		
Kosciusko County	Mar. 1-31	11		
Laporte County	Feb. 1-28	6		
Madison County	Oct. 1-Jan. 31	6		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-May 30	10		
Miami County	Dec. 1-Jan. 31	8		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Montgomery County	Feb. 1-28	2		
Noble County	Jan. 1-31	11		
Posey County	Feb. 1-28	3		
Rush County	Dec. 1-Feb. 28	43		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-Feb. 28	3		
St. Joseph County	Dec. 1-Feb. 28	32		
South Bend	Mar. 23-May 29	15		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Feb. 28	91		
Lafayette	Dec. 15-May 3	66	1	
Tipton County	Nov. 1-Jan. 31	4		
Vanderburg County—				
Evansville	Jan. 10-May 15	11		
Vermilion County	Mar. 1-31	4		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-Feb. 28	38		
Warrick County	Feb. 1-28	1		
Wayne County	Nov. 1-Mar. 31	17		
Wells County	Feb. 1-28	58		
White County	Mar. 1-31	14		
Total for State		788	1	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Cedar Rapids	Mar. 1-May 31	18		
Council Bluffs	July 1-May 16	36	2	
Davenport	Apr. 12-May 30	5		
Dubuque	Oct. 1-Jan. 31	87	1	
New Hampton	Feb. 26	8		
Sioux City	Apr. 1-30	1		
Total for State		156	5	
Kansas:				
Allen County	Jan. 1-Mar. 31	11		
Atchison County	Mar. 1-31	9		
Atchison	Dec. 20-Mar. 31	6		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Mar. 31	56		
Butler County	Feb. 1-Mar. 31	7		
Chautauqua County	Feb. 1-Mar. 31	19		
Cherokee County	Jan. 1-Mar. 31	30		
Clark County	Mar. 1-31	5		
Crawford County	Jan. 1-Mar. 31	9		
Pittsburg	Nov. 1-Mar. 31	130		
Decatur County	Jan. 1-Mar. 31	12		
Doniphan County	Mar. 1-31	15		
Douglas County	Mar. 1-31	3		
Finney County	Feb. 1-28	2		
Ford County	Jan. 1-Mar. 31	4		
Franklin County	Dec. 1-Mar. 31	4		
Greenwood	Feb. 1-Mar. 31	24		
Harvey County	Nov. 1-Mar. 31	6		
Jackson County	Nov. 1-Mar. 31	106		
Jefferson County	Dec. 1-Mar. 31	23		
Jewell County	Dec. 1-Mar. 31	30		
Labette County—				
Parsons	Jan. 1-Mar. 31	11		
Lane County	Jan. 1-31	4		
Lincoln County	Mar. 1-31	1		
Lyon County	Feb. 1-28	8		
McPherson County	Jan. 1-31	1		
Marion County	Mar. 1-31	1		
Marshall County	Jan. 1-Mar. 31	4		
Mitchell County	Feb. 1-28	2		
Montgomery County	Nov. 1-Mar. 31	20		
Nemaha County	Dec. 1-Feb. 28	3		
Ness County	Mar. 1-31	5		
Osage County	Feb. 1-Mar. 31	39		
Osborne County	Mar. 1-31	4		
Phillips County	Dec. 1-Mar. 31	9		
Pottawatomie County	Nov. 1-Mar. 31	70		
Pratt County	Dec. 1-31	20		
Rawlins County	Mar. 1-31	20		
Reno County	Nov. 1-Jan. 31	4	1	
Republic County	Mar. 1-31	3		
Riley County	Nov. 1-30	2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Rooks County	Jan. 1-31	3		
Saline County	Nov. 1-Mar. 31	57		
Sedgwick County	Feb. 1-Mar. 31	9		
Wichita	Mar. 7-May 29	32		
Shawnee County	Nov. 1-Mar. 31	120		
Topeka	June 7-Apr. 3	128		
Sheridan County	Dec. 1-Jan. 31	11		
Smith County	Feb. 1-Mar. 31	8		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Mar. 31	11		
Thomas County	Jan. 1-31	2		
Wallace County	Jan. 1-31	2		
Wabaunsee County	Jan. 1-Mar. 31	8		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-May 29	78		
Total for State		1,225	1	
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Berea	Feb. 1-Apr. 2	20		
Covington	Dec. 29-May 22	37		
Fulton	Feb. 1-Mar. 22	27		
Georgetown	Dec. 2-Mar. 4	31		
Henderson	May 1-31	2		Jan. 1-June 30, 1908, 7 cases.
Lexington	Dec. 28-May 29	54		
Newport	July 1-May 22	73	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24-May 15	56		
Total for State		500	2	
Louisiana:				
Alexandria	Feb. 1-28	9		
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20-May 29	58		Mainly imported.
Shreveport	Jan. 1-20	32	1	
Winnfield	Jan. 1-Mar. 24	33		And vicinity.
Total for State		162	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26			
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-May 22	98		
Total for State		149		
Maryland	Mar. 18-21	10		House of Correction, Bridewell.
Baltimore	Jan. 30-Feb. 6	1		
Total for State		11		
Massachusetts:				
Boston	Mar. 14-20	2		
Haverhill	Mar. 14-20	1		
Lawrence	Mar. 7-13	1		
New Bedford	Jan. 30-Mar. 13	3	1	
Northfield	Apr. 1-24	2		
Somerville	May 16-22	1		
Total for State		10	1	
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31	1		
Ingham County—				
Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County—				
Grand Rapids	Jan. 24-May 29	11		
Lapeer County	Dec. 1-31	2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-May 22	26		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Mar. 27	7		
Wexford County	Dec. 1-31	2		
Total for State		103		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 30-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Apr. 30	116		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicollet County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Nov. 1-Mar. 31	200		
Renville County	Dec. 1-7	1		
St. Louis County—				
Duluth	Nov. 9-May 27	31		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Waseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-31	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-Feb. 28	8		
Yellow Medicine County	Oct. 20-26	1		
Total for State		507		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-May 29	26		
Mirksville	Nov. 1-Jan. 31	96		
Liberty	Jan. 15-Mar. 11	20		
Neosho	Mar. 15	6		
Rich Hill	Dec. 5-31	4		
St. Joseph	Dec. 1-Apr. 3	2		
St. Louis	Dec. 20-May 29	32		
Springfield	Nov. 1-Feb. 28	3		
Total for State		189		
Montana:				
Beaverhead County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cascade County	Nov. 1-Mar. 31	14		
Great Falls	Apr. 25-May 1	1		
Chouteau County	Jan. 1-Feb. 28	4		
Dawson County	Dec. 31-Apr. 30	33		
Deer Lodge County	Apr. 1-30	3		
Fergus County	Dec. 31-Mar. 31	35		
Flathead County	Nov. 1-Apr. 30	3		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Montana—Continued.				
Gallatin County	Nov. 1-Apr. 30	27		
Bozeman	Nov. 1-Mar. 31	19	1	
Granite County	Jan. 1-Mar. 31	7		
Jefferson County	Nov. 1-30	4		
Lewis and Clark County	Mar. 1-31	1		
Madison County	Dec. 1-31	2		
Meagher County	Mar. 1-31	1		
Missoula County	Jan. 1-31	12		
Missoula	Jan. 1-Apr. 30	6	1	
Park County	Jan. 1-Apr. 30	18		
Livingston	Apr. 1-30	7		
Powell County	Jan. 1-Feb. 28	15		
Ravalli County	Nov. 1-Apr. 30	22		
Sanders County	Jan. 1-Feb. 28	11		
Silverbow County	Nov. 1-Apr. 30	40	1	
Butte	Mar. 16-May 27	57		
Yellowstone County	Nov. 1-30	1		
Billings	Jan. 1-Mar. 31	2		
Total for State		348	3	
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1-Apr. 30	46		
Polk	Mar. 20-Apr. 23	14		And vicinity.
South Omaha	Dec. 20-Apr. 10	15		
Total for State		76		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
West Lebanon	Jan. 15-Feb. 7	2		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21-May 8	16		
Haddonfield	Mar. 26-27	2		
Hightstown	Mar. 3	1		
Lodi	Apr. 15	1		
New Brunswick	Mar. 7-May 22	12		
Paterson	Mar. 16-Apr. 2	8		
Perth Amboy	Mar. 4-Apr. 29	30		
Plainfield	Mar. 7-Apr. 10	6		
Trenton	Apr. 25-May 1	2	1	
Woodbridge	Mar. 6-26	1		
Total for State		79	1	
New York, general	Nov. 1-Mar. 31	232	2	Including Amsterdam, Bridgeport, Broome, Cicero, Gardiner, and Middleburg.
Buffalo	Feb. 14-Mar. 20	4		
Little Falls	Apr. 10-May 8	4		
Mohawk Valley			1	Year 1908.
New York	Feb. 21-Apr. 3	6	1	
Niagara Falls	Feb. 7-May 1	2		
Rome	Jan. 1-31	1		
Schenectady	Feb. 7-13	1		
Syracuse	Jan. 9-31	3		
Total for State		253	4	
North Carolina:				
Ashe County	Jan. 1-31	7		
Bertie County	Nov. 1-Feb. 28	3		
Camden County	Jan. 1-Feb. 28	50		
Catawba County	Nov. 1-Dec. 31	4		
Craven County	Feb. 1-28	2		
Currituck County	Nov. 1-Jan. 31	34		Present in February.
Duplin County	Dec. 1-Feb. 28	68		
Edgecombe County	Dec. 1-31	1		
Forsyth County	Feb. 1-28	18		
Harnett County	Feb. 1-28	16		
Johnston County	Nov. 1-Feb. 28	19		
Jones County	Jan. 1-31	3		
Lee County	Feb. 1-28	10		
Lenoir County	Dec. 1-Feb. 28	60		
Lincoln County	Dec. 1-31	1		
Madison County	Jan. 1-Feb. 28	7		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Martin County	Feb. 1-28	9		
Mecklenberg County—				
Charlotte	May 8-14	1		
Nash County	Jan. 1-Feb. 28	2		
New Hanover County—				
Wilmington	Jan. 22-Mar. 1	4		Imported.
Pasquotank County	Nov. 1-Feb. 28	129		
Pitt County	Jan. 1-31	2		
Rowan County	Feb. 1-28	1		
Sampson County	Jan. 1-Feb. 28	31		
Scotland County	Jan. 1-31	6		
Warren County	Feb. 1-28	3		
Wayne County	Jan. 1-Feb. 28	27		
Total for State		518		
North Dakota	July 1-Feb. 19	168		
Ward County	Jan. 12-Mar. 31	27		
Sherwood	Jan. 12-Mar. 31	46		
Total for State		241		
Ohio, general	June 14-Jan. 2	337		
Ashtabula	Apr. 11-May 29	12		
Cincinnati	Dec. 12-June 4	266	2	
Cleveland	Feb. 28-Apr. 30	6		
Columbus	Dec. 26-May 29	19		
Conneaut	Mar. 1-Apr. 29	3		
Dayton	Jan. 24-Feb. 20	5		
Hillsboro	Apr. 14-June 2	61		
Massillon	May 10-16	1		
Newark		3		Year 1908.
Sandusky	May 9-15	1		
Tiffin	Jan. 3-23	2		
Toledo	May 2-8	1		
Warren	May 2-8	1		
Total for State		718	2	
Oregon:				
Clackamas County	Sept. 1-Feb. 28	6		
Columbia County	Jan. 1-31	6		
Harney County	Sept. 1-30	1		
Hood River County	Jan. 1-31	4		
Jackson County	Oct. 1-Dec. 31	9		
Lane County	Dec. 1-31	10		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Feb. 28	16		
Multnomah County	Dec. 1-31	5		
Portland	Nov. 1-Mar. 31	100		
Polk County	Sept. 1-Feb. 28	14		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-Jan. 31	9		
Wallowa County	Oct. 1-Feb. 28	8		
Washington County	Oct. 1-Feb. 28	39		
Yamhill County	Sept. 1-Feb. 28	19		
Total for State		252		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Castle	Feb. 1-28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 10-May 21	2		
Pittsburg	Dec. 13-May 22	2		Imported.
Prompton	Jan. 2-Feb. 10	3		
Total for State		13		
South Carolina:				
Winnsboro	Feb. 1-28	5		
Yorkville	Mar. 10-Apr. 26	14	8	And vicinity.
Total for State		19	8	
South Dakota:				
Aberdeen	May 1-Jan. 31	43		
Total for State		43		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Tennessee:				
Fayette County	Dec. 1-Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28-May 15	39		
Memphis	Jan. 1-Mar. 13	190	1	
Murfreesboro	Mar. 15-31	1		
Nashville	Dec. 20-May 29	49		
Polk County	Jan. 22	30		
Total for State		612	1	
Texas:				
Corpus Christi	Apr. 2			Present.
Cost	Oct. 1-Dec. 19			Do.
Cotulla	Jan. 25-Feb. 17			Do.
Denton County	Jan. 1-Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10-Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1-May 26	48	1	
Galveston	Mar. 6-May 28	9		
Goliad County	Dec. 1-Jan. 20	25		
Hidalgo County	Jan. 30-May 1	16		
Houston	Jan. 1-Mar. 27	9		
Laredo	Dec. 26-Mar. 19	6		
Monthalia	Oct. 1-Dec. 19			Present.
Oak Forest	Oct. 1-Dec. 19			Do.
San Antonio	Dec. 13-May 29	108	1	
San Augustine County	Jan. 5			Do.
Waco	May 21	4		Imported.
Total for State		510	3	
Utah:				
Beaver County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cache County	Jan. 1-Apr. 30	77		
Davis County	Nov. 1-Apr. 30	40		
Emery County	Feb. 1-28	4		
Garfield County	Dec. 1-Apr. 30	48		
Millard County	Jan. 1-Mar. 31	9		
Salt Lake County	Dec. 1-Mar. 31	170		
Salt Lake City	Dec. 1-Apr. 30	371	1	
Sanpete County	Dec. 1-Apr. 30	6		
Sevier County	Jan. 1-Mar. 31	88		
Summit County	Dec. 1-Apr. 30	33		
Tooele County	Apr. 1-30	3		
Utah County	Dec. 1-Apr. 30	5		
Weber County	Nov. 1-Feb. 28	26		
Total for State		883	1	
Vermont:				
Brattleboro	Dec. 5-Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor Township	Jan. 23	2		
White River Junction	Jan. 4-Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lithia	Mar. 1-Apr. 28	100		And vicinity.
Lynchburg	Jan. 10-30	3		Imported.
Norfolk	Feb. 5-17	3		On tug E. W. Marts.
Port Royal	Dec. 28-Jan. 14	3		
Portsmouth	Apr. 21-May 25	7	2	
Richmond	Mar. 14-May 1	3	1	Death in county hospital.
Total for State		120	3	
Washington:				
Bellingham	Jan. 25-Mar. 23	10		
Camas	Dec. 29-Mar. 8	18		
Colville Indian Reservation	Feb. 15-Apr. 6	118	3	
Seattle	Oct. 1-Mar. 31	30		
Spokane	Dec. 6-May 22	51	1	
Tacoma	Dec. 14-May 30	72		
Total for State		299	4	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
West Virginia:				
Charleston	Jan. 1-31	1		
Moundsville	Jan. 1-31			Present.
St. Albans	Feb. 16-Apr. 12	19		
Weston	Jan. 15-Feb. 13	1		
Wheeling	May 9-29	2		
Total for State		23		
Wisconsin:				
Adams County	July 1-Sept. 30	3		
Ashland County	Oct. 1-Dec. 31	4		
Barron County	July 1-Dec. 31	41		
Buffalo County	Oct. 1-Dec. 31	1		
Chippewa County	July 1-Dec. 31	28		
Columbia County	Oct. 1-31	18		
Dane County	July 1-Sept. 30	1		
Dodge County	July 1-Sept. 30	1		
Douglas County	July 1-Dec. 31	49		
Superior	Apr. 25-May 1	3		
Dunn County	July 1-Dec. 31	4		
Fond du Lac County	July 1-Dec. 31	6		
Green County	July 1-Dec. 31	4		
Iron County	July 1-Sept. 30	2		
Juneau County	Oct. 1-Dec. 31	2		
Kewaunee County	July 1-Sept. 30	1		
La Crosse County—				
La Crosse	Dec. 13-May 8	50		
La Fayette County	Oct. 1-Dec. 31	1		
Manitowoc County	Oct. 1-Dec. 31	33		
Manitowoc	Dec. 13-Feb. 27	14		
Marathon County	July 1-Sept. 30	2		
Marinette County—				
Marinette	May 23-29	1		
Milwaukee County—				
Milwaukee	Dec. 6-May 22	198		
Monroe County	July 1-Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6-Apr. 17	3		
Ozaukee County	July 1-Sept. 30	3		
Pierce County	July 1-Dec. 31	37		
Polk County	July 1-Dec. 31	4		
Racine County	Oct. 1-Dec. 31	1		
Racine	Mar. 21-Apr. 10	6		
Richland County	Oct. 1-Dec. 31	1		
Rusk County	July 1-Sept. 30	3		
Sheboygan County	July 1-Dec. 31	123		
St. Croix County	Oct. 1-Dec. 31	12		
Vernon County	Oct. 1-Dec. 31	6		
Total for State		678		
Grand total for the United States		11,701	52	

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Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special tables.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	May 29	38,973	17	7	1			4							
Ann Arbor, Mich	do	14,509	2	2		1						7		1	
Ashtabula, Ohio	do	12,949	6												
Auburn, N. Y	May 8	30,345	8	1	1										
Do	May 15	30,345	15	2				1		1					1
Do	May 22	30,345	8	2										4	
Baltimore, Md	May 29	508,957	180	13	15	3	1	10		13	4	133	2	19	5
Bath, Me	do	10,477						1		1		3			
Bayonne, N. J	do	32,722						1		4		4			
Beaver Falls, Pa	do	13,000				2						2			
Berkeley, Cal	May 22	13,214	6									1			
Biddeford, Me	May 29	16,145	5	1	1										
Binghamton, N. Y	June 1	38,647	18	2	3			1	1			8			
Birmingham, Ala	May 22	38,415	25	7	6	2	1							3	
Do	May 29	38,415		14	8	8	1					1		8	
Boston, Mass	do	560,892	206	45	23	3	1	32	2	47	4	80	1	8	
Bridgeport, Conn	do	70,996	18	2	2			5		1		8			
Brockton, Mass	do	40,063	11	2			1	1				9		1	
Butte, Mont	May 27	30,470	11					4		2					
Cambridge, Mass	May 29	91,886	32	9	9			5		4		10		3	
Camden, N. J	do	75,935	29	1				5		3					
Camden, S. C	do	2,441	2			1						1	1		
Carbondale, Pa	do	13,536	4									3			
Charlotte, N. C	May 28	18,091	10			1						17	1		
Chelsea, Mass	May 29	34,072	9	1	2			2				4		1	
Chicago, Ill	do	1,698,575	654	67	102	23	6	91	8	75	10	470	8	28	8
Chicopee, Mass	do	19,167	9		1										
Cincinnati, Ohio	May 27	325,902		15	9	1		4	1	5		13			
Cleveland, Ohio	May 28	381,768	114	25	12	3		9		10		157	1	18	1
Clinton, Mass	May 29	13,667	4	1	1										
Columbus, Ga	do	17,614	6		2										
Columbus, Ohio	do	125,560	45	29	9	8		3				22		1	
Concord, N. H	May 22	19,632	8							1		93			
Council Bluffs, Iowa	May 31	25,802	9		1	7				1		1			
Covington, Ky	May 29	42,938	9		3			2							
Danville, Ill	May 30	16,534	8									1			
Davenport, Iowa	do	35,254										2		1	
Dayton, Ohio	May 29	85,333	25		3					4	2	47			
Duluth, Minn	May 27	80,000	27	5	1		1	35	2	18	2	30			
Dunkirk, N. Y	May 29	11,616	6	1		1						1			
Elmira, N. Y	do	35,672	9	18		3		1		1		9			
Elkhart, Ind	do	15,184	6					2							
Erie, Pa	do	52,733	28	2	2	3		6	1	1	1	87	4	9	1
Evansville, Ind	do	59,007	11		1	5				3					
Everett, Mass	do	24,336	8	2	2	1		3				12			
Fall River, Mass	do	104,863	21	8	2	3		2		1		6			
Findlay, Ohio	do	17,613	4		1										
Galesburg, Ill	do	18,607	7					3		7					
Galveston, Tex	May 28	37,789	13	1				1		1					
Glens Falls, N. Y	May 29	13,543										11			
Gloucester, Mass	do	26,121	8												
Grand Rapids, Mich	do	87,565	35			3		10				4		4	1
Greensboro, N. C	do	10,035	10		2	2				1					
Hammond, Ind	do	12,376	3	4						1		3			
Harrison, N. J	do	10,596	4	1	1			2		1					
Haverhill, Mass	do	37,175	12	1	1			1		8		5			
Hoboken, N. J	do	59,364				1		2	1	1					
Hyde Park, Mass	do	13,244	3									1			
Indianapolis, Ind	May 30	169,164	49	7	4	2		3				52			1
Jacksonville, Fla	May 29	28,429	18	3	1	3	1								
Jersey City, N J	May 30	206,433	83	2	14			12	1	5		16	1	3	
Johnstown, Pa	May 29	35,936	15					12	1	1	1	29			
Kalamazoo, Mich	do	24,404	21	1	1							11		1	1
Kansas City, Kans	do	51,418	25		4	1						20			
Kansas City, Mo	do	163,752	54		5		1	16	2	5	2	28		2	
Kearny, N. J	do	10,896	3					1		4		1		1	
Kingston, N. Y	do	24,535	11												
Knoxville, Tenn	do	32,637	16	3	3	1	1	1				3			
La Crosse, Wis	do	28,895	8		2		1								
Lafayette, Ind	May 31	18,116	4												
Lawrence, Mass	May 29	62,559	29	4	4		1	3				31	1		

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Leavenworth, Kans.	Apr. 24	20,733	7	1	1			3		1		2			
Do	May 8	20,733	6							1		3			
Do	May 15	20,733	3							1					
Do	May 22	20,733	3	3				1				2			
Lebanon, Pa	May 29	17,628	7		1					1		6			
Lexington, Ky	do	26,369	12		3			1						1	
Los Angeles, Cal	May 22	102,479	69	7	8	2		8	1	6	1	8			
Lowell, Mass	May 29	94,969	38	2	4	1		2		7	1	4			
Lynchburg, Va	do	18,891				2									
Macon, Ga	May 30	22,746	9											1	
Malden, Mass	May 29	33,664	13		1			2		2		3			
Manchester, N. H	do	56,987	27	3	3					5	1	2			
Manitowoc, Wis	do	11,786	3												
Mansfield, Ohio	do	17,650	4					1							
Massillon, Ohio	do	11,944	2					4	1						
Medford, Mass	do	18,244	3		1			1		1					
Melrose, Mass	May 22	12,962	1		1			2		1				1	
Mobile, Ala	May 29	38,469	24			18	3							3	4
Montclair, N. J	do	13,962	3	2				3	1			1			
Montgomery, Ala	May 28	30,346	11		2										
Moline, Ill	May 30	17,248	6		1			2							
Mount Vernon, N. Y.	May 29	21,228	8	1	2	1				1		1			
Muncie, Ind	do	20,942	9	1	1	1		2							
Nanticoke, Pa	May 30	12,616	4					1				6			
Nashville, Tenn	May 29	80,865	46	2	2	2		1							
Newark, N. J	do	246,070			18	4	1	52	6	15	2				3
New Bedford, Mass	do	63,442	24	5				4				4			1
New Brunswick, N. J	do	20,006						2				3			
Newburyport, Mass	do	14,478	4	6		2									
New London, Conn	May 22	17,548	5			1						1		2	
Do	May 29	17,548	8	1				1							
New Orleans, La	do	278,104	153	14	12	8	2	60	4	4	1	4			
Newton, Mass	do	33,587	14		1			6		2		42	1		
New York, N. Y	do	3,437,202	1,333	510	152	28	12	273	21	313	45	1,671	25	66	8
Niagara Falls, N. Y	do	19,457	9		2	2		4				7			
North Adams, Mass	do	24,200	9		1										
Oakland, Cal	May 24	66,960	30	5	2	5		6		3		6			
Orange, N. J	May 29	24,141	10	2	4			10	1		1	3			
Ottumwa, Iowa	Apr. 10	18,197	4		1										
Do	Apr. 17	18,197	4												
Do	Apr. 24	18,197	8		2										
Do	May 1	18,197	3												
Do	May 8	18,197	6		1										1
Do	May 15	18,197	5												
Do	May 22	18,197	6												
Do	May 29	18,197	13		1										
Palmer, Mass	do	7,801	1					3				3			
Peekskill, N. Y	do	10,358	5		1			3				7			
Philadelphia, Pa	May 22	1,293,697	448	169	67	89	11	58	5	82	12	239	7	35	2
Pittsburg, Pa	May 29	321,616	153	48	13	12	6	9		4	1	32		32	2
Pittsfield, Mass	do	21,766	4	1		2		2							
Plainfield, N. J	do	15,369	5	4	2			4							
Plymouth, Pa	do	13,649								3		3			
Portland, Me	May 1	50,145	11		2										1
Do	May 8	50,145	11					3		1		1			1
Do	May 15	50,145	19	2	3										
Do	May 22	50,145	25	2	3			1				1			
Do	May 29	50,145	14	3	1										
Portsmouth, N. H	do	10,637	1									1			
Portsmouth, Va	June 1	17,427	12		1	1		1							
Pottstown, Pa	May 29	13,696	5				1	1				1			
Providence, R. I	do	175,597	62	7	10			10		7		2			1
Racine, Wis	do	29,102	10							1					
Reading, Pa	May 31	78,961	18	2		10			2	4	1				
Rockford, Ill	May 29	31,051						1			1				
Rock Island, Ill	do	19,493	2							1					
Saginaw, Mich	May 15	42,345	12	2	2					1		2			
Do	May 22	42,345	13	1	1										
St. Louis, Mo	May 29	575,238	190	39	24	4	1	14	1	23	2	397	10	5	
Salem, Mass	do	35,956						2				1			
San Antonio, Tex	May 22	53,321				2									
Do	May 29	53,321				1		1							
San Francisco, Cal	May 22	342,782	134	36	18	4		10		13		47	3	17	2
Schenectady, N. Y	May 29	31,682	19	3	3					3		1			1
Shamokin, Pa	do	18,202	3			2		1		1		9			

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Somerville, Mass	May 29	61,643	25	5	1	2		11		9		21	1		
South Bend, Ind	do	35,999	14	1	1			2	1						
South Bethlehem, Pa.[a]	June 1	13,241	16	1	1			1				30	3		
Spokane, Wash	May 22	38,848	40		2			45	11	12	5	35	1		
Springfield, Ill	May 28	34,159	7							2					
Springfield, Mass	May 29	62,059	18	2	4	1				7		23			
Springfield, Ohio	do	38,253	14	6	3										
Steelton, Pa	do	12,068	5	1						1		2			
Superior, Wis	do	31,091	9					26		1					
Taunton, Mass	do	31,036	7	4	2			5	1			28			
Terre Haute, Ind	Apr. 24	36,673	18		4		1			1					
Do	May 1	36,673	18		3		1					1			
Do	May 29	36,673	12	1	2										
Titusville, Pa	do	8,244	1												
Trenton, N. J	do	73,307		6	3	17		1		2					
Walla Walla, Wash	do	10,049	2												
Waltham, Mass	do	23,481	9		2	1		1		1	1	11		1	
Warren, Pa	May 24	8,043	3	1		1						4			
Washington, D. C	May 29	278,718	104	20	11	16	3	11	1	4	1	26		22	
Weymouth, Mass	do	11,324	4									2			
Wheeling, W. Va	do	38,878	19	2	1	1	2			1		9			
Wichita, Kans	May 22	24,671										38			
Do	May 29	24,671						2				22	1		
Wilkes-Barre, Pa	May 28	51,721	19					2		4		56			
Wilkinsburg, Pa	do	13,000	1			2		1							
Wilmington, Del	May 29	76,508	19		6		1				1				
Winona, Minn	June 1	19,714			1										
Woburn, Mass	May 29	14,254	2		1										
Worcester, Mass	do	118,421	44	7	4	1		1		2		1		1	
York, Pa	do	33,708		5				5		1		1			
Zanesville, Ohio	do	23,538	4			7									

[a] Report covers nine days.

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

CHOLERA.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, May 5, 12, 19, and 26, 1909.]

BULGARIA.—May 8. European Russia declared free of cholera, except St. Petersburg city and government. Travelers from the said city or government are subject to careful medical inspection and to medical supervision at their places of permanent or transient destination.

SWEDEN.—April 26. The territory of the Don Cossacks declared free from cholera.

PLAGUE.

AUSTRIA-HUNGARY.—April 29. The maritime sanitary authorities at Trieste declared the measures ordered August 6, 1908, relative to plague in Port of Spain and Trinidad suspended.

BELGIUM.—May 3. Measures ordered to prevent introduction of bubonic plague from Venezuela suspended.

EGYPT.—April 17 and 20. Plague measures against arrivals from the Arabian coast of the Red Sea with the exception of Jiddah and also against Calicut suspended. May 5. Plague measures against Jiddah suspended.

PORTUGAL.—April 20. Port of Maranhao in Brazil declared plague infected.

PERSIA.—May 3. Five days' quarantine declared at Bushire against arrivals from Bassorah.

TURKEY.—April 20. Measures now in force against arrivals from Persian ports of the Persian Gulf replaced by medical inspection at the first Turkish port provided with a sanitary physician. April 26. Measures against arrivals from the littoral between Lith and El Wedj suspended. Arrivals from Jiddah still subject to medical inspection at the first Turkish port provided with a sanitary physician.

ALGERIA.

Report from Algiers—Status of typhus fever.

Consul Johnson reports, May 22:

There have been no new cases of typhus fever and no deaths reported since the close of the past week. The total number of deaths since the outbreak, corrected to date, is 36, of which 13 occurred in April and 23 in May.

(See Public Health Reports, June 4, 1909, p. 781.)

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Deratization at Algiers—Rat fleas.

The following is taken from the *Bulletin Bimensuelle*, Algiers, April 30:

Algiers.—April 15–30: Rodents taken by the maritime sanitary service, 580; examined by the laboratory of health, 114; result, negative. Classification of rats: *Mus norvegicus*, 455; *Mus rattus*, 50; *Mus alexandrinus*, 0; *Mus musculus*, 75.

Rat fleas determined.—*Pulex cheopis* on *Mus norvegicus*, 4; on *Mus rattus*, 27. *Ctenopsylla musculi* on *Mus norgegicus*, 21; on *Mus rattus*, 12. *Ceratophyllus* on *Mus rattus*, 27.

BELGIAN KONGO.

Report from Boma—Sleeping sickness—Measures to prevent spread inadequate.

The following is received from Consul-General Handley, under date of April 10:

SLEEPING SICKNESS IN BELGIAN KONGO.

To check the progress of this terrible scourge in the Kongo is an important and difficult problem. While the disease has been known to exist in various forms for the last 60 or more years on the west coast of Africa, it was not until the opening up of the Kongo by Stanley's expedition and other agencies that the disease was carried on beyond Leopoldville and to the upper reaches of the river, from which it rapidly spread to all parts of the Kongo basin, making a special nidus in the Katanga and Kasai districts in the east and south, the Ituri forests on the northeast, and along the Aruwimi and Kwango rivers. While these locations are the center of infection, there is probably not a district in the whole of the Kongo that is entirely exempt from the disease.

The matter is becoming very urgent to those who take an interest in the commercial deveolpment of Africa, as the spread of the disease is attaining such proportions as may almost end in the depopulation of the Kongo basin and the Uganda Protectorate, while the extention of the malady into British Central Africa and the Egyptian Sudan is also a matter of concern.

The area of sleeping sickness seems to be limited to the range of one or more species of tsetse fly that frequent parts of Central Africa where there are heavy rainfalls and abundant vegetation.

The fly which conveys the trypanosomes causing the disease has at present a range extending from the Senegal and Gambia to the Bahr-al-Ghazal, the eastern shore of the Victoria Nyanza, and the west coast of Lake Rudolf up to the river Amo. Southward it apparently covers the whole Kongo basin up to Lake Tanganyika and the Zambezi watershed. Benguela is probably the southernmost limit of sleeping sickness on the Angola coast.

The general appearance of the tsetse fly is not unlike the ordinary house fly found in the United States. Its color is darkish brown. The veins of the wings are brown, and the back of the abdomen is blackish brown. When at rest it is easily distinguished from the

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ordinary house fly, owing to the manner in which it folds its wings over its back. It is never seen (unlike the house fly) with separated wings except when in flight.

The part of Belgian Kongo most seriously affected at the present time by this scourge is probably the district of Katanga, in the southeastern part of the country. Here the disease has developed to such an extent that whole villages have been decimated by the ravages of the terrible malady. Many villages have been deserted along the Lualaba River, which passes through one of the richest agricultural sections, and which a few years ago was one of the most densely peopled regions of the Katanga. Thousands of cases of sleeping sickness in various stages of development exist in that part of the country. Europeans in traveling on the Luvua and Lualaba rivers are often compelled to go gloved and veiled as a protection from the tsetse. The enormous spread and great increase of the disease in the Katanga in recent years has been due, in a great degree, to the increase in travel following the opening up of the country. Hundreds of caravans that yearly come from Stanleyville and Ponthierville in the north and from Lusambo in the western part of the Kasai district pass through Kasongo and Ankoro on their way to Lakes Tanganyika and Moero, traversing the most infected part of the Katanga.

A large number of cases are reported on the Luvua river at Ankoro, Kiambi, and Pweto, and the spread of the infection from the latter place into Rhodesia should be a matter of great concern to those interested in the welfare of that country.

The infected area in the Kasai district is probably of less extent than in the Katanga, but it is now gradually covering the entire district, and is particularly virulent at Kabinda, where there is a lazaretto for the disease. Around Luluabourg it has depopulated the country to a great extent.

At Luebo, where the American Presbyterian Mission is located, there have not been many cases until within the last few years, but there is no doubt that unless strong measures for its suppression are adopted by the government the death rate will be fully as high there as elsewhere, especially as this is a densely populated district. For some time past there has been an unofficial lazaretto at Luebo, which has been a veritable pesthouse, existing under the most unfavorable surroundings, the inmates having inadequate shelter and food. The mission has asked for an official lazaretto to be established here, as the nearest official place for these unfortunates is at Lusambo, a distance of 250 miles by trail. In this district the disease seems to be confined mainly to the waterways. On the rivers the tsetse flies are so numerous and voracious that the Europeans while traveling are often forced to wear woolen clothes as a protection against their bite. Many of the native villages have been abandoned and the huts are in ruins. Here and there may be seen a village with a few natives in the final stages of the disease, the remnant of a once-flourishing fishing village.

The spread of the disease within the last five years over most of the Belgian Kongo is due, to a large degree, to the system of transportation, the shifting of the native soldiers from one district to another, and, primarily, the great lack of medical attendance and a sufficient number of lazarettoes. Away from the rivers all the

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goods and produce are transported on the heads of natives. The natives are formed into caravans, numbering from a very few to several hundred, and are often a month on one trip. They generally traverse the main caravan routes, along which are numerous native villages, where they come in contact with the inhabitants and members of other caravans coming and going from more or less infected parts of the country. It is principally in this manner that the disease is disseminated and that it reaches all sections of the country. To-day the old caravan routes in the Katanga are nearly depopulated and a source of great danger.

Of the 10,000 or more native soldiers in the Kongo a large percentage are infected, more or less, with sleeping sickness. In the central part of the district of Boma, where there is a military camp, sleeping sickness is epidemic. A lazaretto is established and a number of patients are under treatment.

At Boma there are 2 hospitals and 2 doctors, maintained by the government, one for the white population and the other for the natives. The hospital for the former is situated on a high and comparatively healthy spot in the center of the town, and is well kept. An Italian doctor is in attendance. Since only a few cases of sleeping sickness among the white inhabitants have occurred, this hospital is devoted principally to the treatment of government officials, many of whom are sent here for treatment from the interior.

The hospital for the natives is situated just outside of the town. A white superintendent, who is not a doctor, is in charge. A Norwegian doctor makes 2 visits a day, morning and evening, and the nurses are native men. The hospital is composed of several small, well-built stone buildings; walls and floors are of cement, and easily kept clean. The patients with contagious disease are isolated in the different buildings, although I observed that some of them had access to the main courtyard and mingled with the other patients. In each building is arranged, on both sides, a row of iron cots, on each of which is a blanket, the only bed covering provided for the patients.

Of the 147 patients in the hospital at the time of my visit last month, 47 were affected with sleeping sickness in all stages of the disease. Twenty of the number are government laborers and 10 are soldiers. Some of the patients only slightly infected are sent out daily to do light work for the government, returning to the hospital at night.

In one of the wards every cot was occupied by men and children in the last stages of the sickness. Some of them were able to move, speak, and take a little food, but the majority lay motionless staring into space, living skeletons awaiting death. The deaths number about 12 a month.

The present hospital, with only a part of the attention of one doctor, assisted by untrained native attendants, is entirely inadequate to cope with the rapidly increasing number of cases of sleeping sickness that are constantly finding their way to Boma. The morning I visited the hospital there were at least 25 cases from outside, mostly in the first and second stages of the disease, resting on the steps at the entrance of the hospital, waiting the arrival of the doctor. Some of this number go there once a month for treatment, which is believed to give them

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temporary relief. A lazaretto is being constructed not far from this hospital, to be used exclusively for sleeping-sickness patients. The separation of these from the other patients will be a great improvement.

Several expeditions have been sent out here at different times and under different auspices to study the disease, and while some progress has been made, yet much remains to be done before it can be said that the disease, with its cause and prevention and cure, is fully in hand. Some months ago it was widely announced by European doctors that certain arsenic compounds, especially atoxyl, had proven almost specifics, but after months of faithful trial by the American, Italian, and Norwegian doctors here—the latter being in charge of the native hospital—no marked improvement has been seen to follow the treatment as recommended by authorities on the disease. The outlook is not at all encouraging. Contrary to what was once claimed, it is now well established that foreigners here can become victims of this dreaded disease.

The greatest problem is to prevent the spread of the infection. One case is a source of danger to all within a considerable distance, for scientific research shows that the trypanosome is conveyed by the tsetse very much as malaria is now known to be carried by certain kinds of mosquitoes. The native fails to recognize the disease until its later stages, when it is too late to save him. It is very difficult to persuade natives of the importance of segregating those infected. The local government has established in the vicinity of a few of its large posts lazarettoes, or places for segregating those in the immediate vicinity who have become infected. But this is a local measure, and it by no means even touches great districts where no effort is being made to prevent the spread of the ravaging disease.

CHINA.

Report from Amoy—Leprosy, plague, and smallpox—Epidemic plague at Chang Poo—Preventive inoculation.

Passed Assistant Surgeon Foster reports, April 26:

Week ended April 24. No bills of health issued.

Leprosy, plague, and smallpox are present in Amoy.

Plague is reported to be epidemic at Chang Poo, a city about 30 miles south of Amoy. The number of cases is not stated, but the mortality is said to be considerable. The inhabitants of Chang Poo are being inoculated with Haffkine prophylactic as a preventive measure.

(See Public Health Reports, April 30, 1909, p. 569.)

COSTA RICA.

Report from Limon, fruit port.

Acting Assistant Surgeon Goodman reports:

Week ended May 29. Estimated population, 8,000. General sanitary condition of this port and the surrounding country during the week, good.

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Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 23	Greenbrier	New Orleans via Bocas	48	0	0
23	Limon	Boston	44	1	0
24	Prinz Joachim	New York	138	137	4
25	Nicoya	do	52	13	0
26	Cartago	New Orleans	91	15	55
26	Citta de Milano	Ponce, P. R	83	10	198
29	Karen		24	2	0

CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, May 24:

Week ended May 22.

Vessels inspected	2
Bills of health issued	2
Members of crews inspected	37

No quarantinable diseases have been reported.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, May 31:

Week ended May 29. Bills of health granted to 4 vessels clearing for United States ports. All these vessels left in good sanitary condition. No quarantinable diseases were reported in this district during the week.

Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, May 26:

Week ended May 22. Bills of health issued to 7 vessels bound for the United States. No vessel fumigated. No quarantinable disease reported.

GUATEMALA.

Report from Puerto Barrios, fruit port—Stegomyia—Water famine.

Acting Assistant Surgeon Ames reports as follows:

Week ended May 22. Present officially estimated population, 350.

General sanitary condition of this port and the surrounding country during the week very good.

Few *Stegomyia calopus* present. Water famine.

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Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 19	Preston	New Orleans	37	2	1
21	Jose	New York	32	5	4
22	Parismina	New Orleans	91	52	62

Temperatures taken of all persons on New Orleans steamers day of sailing.

HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, plague laboratory, reports, May 15, through Chief Quarantine Officer Hobdy:

HONOLULU.

Week ended May 15.

Total rats taken	564
Trapped	562
Found dead (rattus)	2
Examined bacteriologically	466
Plague infected	0
Classification of rats trapped:	
Mus alexandrinus	73
Mus musculus	265
Mus norvegicus	124
Mus rattus	100
Average number of traps set daily	1,408
Number of poisons placed (barium carbonate)	60

HONDURAS.

Report from Ceiba, fruit port—Local sanitary condition—Stegomyia.

Acting Assistant Surgeon Jumel reports:

Week ended May 26. Present officially estimated population. 6,800. General sanitary condition of this port and the surrounding country during the week, good. *Stegomyia calopus* present. Local sanitary conditions are worse than at any time during the current year.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
May 21	Joseph Vaccaro	32	1	3	0
22	Colombia	19	0	0	0
26	Viator	17	0	0	0

Temperature of all persons on above-named vessels taken at time of clearance.

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Report from Puerto Cortez, fruit port.

Acting Assistant Surgeon Ames reports as follows:

Week ended May 25. Present officially estimated population about 2,500. General sanitary conditions of this port and the surrounding country not reported. No quarantinable disease.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected
May 25	Agnella	17	6		
17	Mercator	17			
19	John Wilson	18			
21	Fjell	16			
21	Utstein	17			
26	Harry T. Inge	31			

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

Week ended May 22. Present officially estimated population, about 1,500. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 16	Harald	Mobile	20	0	0
21	Colombia	do	19	0	0

INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, May 6:

During the week ended May 1 a bill of health was issued to the steamship *Rabenfels* bound to Boston and New York with a total crew of 56. The usual precautions were taken, the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

Week ended April 24. There were 98 deaths from cholera, 117 from plague, and 131 from smallpox in Calcutta.

In Bengal there were 231 cases of plague with 207 deaths.

In India during the same period there were 4,681 cases of plague with 4,007 deaths.

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JAPAN.

Reports from Yokohama—Inspection of vessels—Plague infection in rats generally diffused.

Passed Assistant Surgeon Cumming reports, May 12:

Week ended May 8. Bills of health issued to 3 steamships having an aggregate personnel of 86 saloon, 407 steerage, and 304 members of crews.

The sanitary condition of this city is bad, plague-infected rats being found practically in every section of the city. The source of infection is not known.

The bathing and observation of steerage passengers and disinfection of their baggage are continued; also the attempt to control, in some measure, freight. All vessels for America, except the fortnightly Nippon Yusen Kaisha steamships for Seattle, lie in the open bay and these vessels carry rat guards. The principal danger is from sick rats carried on board in straw packing.

Plague in Yokohama—Measures taken to prevent spread—Plague-infected rats in Yokohama and Kioto.

Doctor Cumming further reports, May 15 and 18:

May 15. Three cases of plague with 2 deaths were reported in this city during the two days just passed. One was a young man employed in carrying night soil and the other cases were 2 young women, sisters, one of whom worked in a handkerchief factory in a distant part of the city while the younger one remained at home. The district is distant from the harbor front, but canals traverse and connect all parts of the city.

The sanitary authorities have isolated the neighboring residents and they are disinfecting all houses in the vicinity. They have also placed the factory and its contents in quarantine.

Plague-infected rats continue to be found in nearly all parts of the city except the water front and export godowns, which the authorities state have not been infected.

Quarantine officers at Seattle, Honolulu, and San Francisco have been notified of the outbreak of plague. Precautions are being taken against infection of vessels and freight.

May 18. In addition to the cases and deaths which were reported May 15, 4 cases were reported May 16 and 1 case May 17.

The last case was a school child living some distance from the first cases, and the school which he attended has been closed. Infected rats are still being found. One infected rat was found in a restaurant on Naka dori, between Benten and Honcho dori (street), which is the district most frequented by every tourist who comes to Yokohama.

The authorities trace the present outbreak directly to rice from South China.

Plague-infected rats are reported in Kioto.

Examination of emigrants.

Number of emigrants per steamship *Tango Maru* April 28 for Seattle, rejected 1; held for observation 2.

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Per steamship *Nippon Maru* May 5 for Honolulu 1; held for observation 3. For San Francisco, held for observation 1.

Per steamship *Aki Maru* May 12 for Seattle, held for observation 6.

Per steamship *Siberia* May 15 for Honolulu, rejected 1; held for observation 3. For San Francisco, held for observation 4.

Of these rejections and detentions all were for trachoma.

Reports from Kobe—Inspection of vessels—Examination of emigrants—Statement of examination of rats in Kobe, January–April, 1909—Plague at Osaka.

Acting Assistant Surgeon Knight reports, May 6 and 12:

Week ended May 1. Supplemental bills of health granted to 3 steamships. There were inspected 69 members of crew and 524 steerage passengers. Manifests were viséed for 2,850 pieces of freight, amounting to 293 tons. During the week 10 cases of human hair were disinfected with formalin.

Statement of rats examined in Kobe.

1909.	Examined.	Plague infected.
January	41,095	78
February	34,135	86
March	31,572	62
April	39,262	58
Total	146,064	284

At Osaka 1 case of plague with 1 death were reported. This is the first appearance of human plague in that city since June 30, 1908. From January 1, 1909, to date there were examined in the Azikawa Harbor 90 rats, of which 57 were found plague infected.

Week ended May 8. Supplemental bills of health were granted to 5 steamships.

There were inspected 87 members of crew and 69 steerage passengers, and 57 steerage passengers were bathed and disinfected and had their effects disinfected by steam. The number of pieces of baggage steamed was 144 and of bedding 114. Manifests were viséed for 20,292 pieces of freight, amounting to 2,250 tons.

Emigrants were examined as follows:

Steamship *Nippon Maru* for Honolulu: Passed 36; recommended for rejection 17. For San Francisco, passed 4; recommended for rejection 4.

Steamship *Aki Maru* for Seattle: Passed 12; recommended for rejection 13. The emigrants passed, together with 5 intending passengers to Victoria by the steamship *Aki Maru*, were inspected, bathed, and disinfected and their effects were disinfected before embarkation.

Reports from Nagasaki—Examination of emigrants—Health conditions.

Acting Sanitary Inspector Thompson reports:

April 28. Five emigrants recommended for rejection; May 6, 12 emigrants recommended for rejection.

No quarantinable diseases present.

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MEXICO.

Report from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports:

Week ended May 26. Two vessels inspected.

No quarantinable disease has been reported. The health of the port is good.

Report from Salina Cruz—Inspection of vessels.

Acting Assistant Surgeon Gochicoa reports, May 23:

Week ended May 22. One steamship, bound for San Francisco, was fumigated.

Report from Tampico—Inspection of vessels—Sanitary conditions.

Acting Assistant Surgeon Stowe reports, May 27:

Week ended May 26.

Vessels inspected and passed	6
Bills of health issued	6
Members of crews of outgoing vessels inspected	29[illegible]
Passengers of outgoing vessels inspected	32
Vessels fumigated	0

No cases of quarantinable diseases have occurred during this period. The sanitary condition of the port is good.

Report from Veracruz—No new cases of yellow fever or smallpox—Sanitary measures taken at Puebla.

Acting Assistant Surgeon Carter reports, May 24:

Week ended May 24. Six bills of health were issued; 5 vessels for southern ports were fumigated, and 1 vessel was inspected; 129 passengers and 266 members of crews were inspected. No cases of yellow fever were reported and no new cases of smallpox. The last case of smallpox, which was reported May 12, is still in the lazaretto, 3½ miles from the city. The city of Puebla has begun sanitary work, the city officials being in charge. All houses in which sickness has occurred are to be disinfected, and where the people are too poor to have the work done the city will clean and disinfect the premises. Smallpox, scarlet fever, and diphtheria have been epidemic there for some time, causing a great number of deaths. (See Public Health Reports, May 28, 1909, p. 750.) The general sanitary conditions at Veracruz at this time of the year are considered fair, and on account of the continued dry and hot weather mosquitoes are very scarce.

Statement of antimosquito work carried out in Veracruz during the month of April, 1909.

Visits by inspectors to nonimmunes	30,34[illegible]
Nonimmunes entering the city	2,86[illegible]
Nonimmunes leaving the city	2,76[illegible]
Passengers inspected on the railroads	14,38[illegible]
Houses disinfected	65
Persons isolated in hospitals	[illegible]
Water deposits inspected	7,490
Water deposits petrolized	1,53[illegible]
Liters of petroleum used	16[illegible]
Back yards cleaned	[illegible]
Proprietors of households notified	10

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NICARAGUA.

Reports from Bluefields, fruit port—Stegomyia—Sanitary conditions.

Acting Assistant Surgeon Layton reports:

Ten days ended May 22. Present officially estimated population, 2,500. General sanitary condition of this port and the surrounding country during the week fairly good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of Crew.	Number of passengers from this port.	Number of passengers in transit.
May 15	Marietta Di Georgio	New Orleans	19	3	0
22	Imperator	do	21	18	0

Temperature of personnel and passengers of both vessels taken prior to departure.

The general sanitary conditions of the port are poor. The streets are dirty; garbage and filth stand everywhere. No attempt is made to clean the streets or remove garbage.

Drinking water is scarce, and the natives are compelled to drink well water, which is often unfit for use. Mosquitoes are not numerous, owing to the dry season, the scarcity of cisterns containing water, and the absence of breeding places. All those present are *Stegomyia calopus*. There are no quarantinable diseases.

Sanitary conditions improved.

Week ended May 29. General sanitary condition of this port and the surrounding country during the week good. Mosquitoes increasing. Nearly all those observed are *Stegomyia*. There are very few *Anopheles* present.

Bill of health issued to the following-named vessel:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 29	Marietta Di Georgio	New Orleans	19	3	0

The heavy rains which fell have cleared the port thoroughly, and the garbage heaps and accumulations of filth have all been swept out to sea. The water famine is at an end. Bluefields is now in a better sanitary condition than it has been at any time during the past two months.

The port and surroundings are free from quarantinable diseases.

PHILIPPINE ISLANDS.

Reports from Manila—Smallpox—Status of cholera in the provinces—Decreased mortality in Manila, quarter ended March 31, 1909—Inspection of vessels.

Chief Quarantine Officer Heiser reports, April 26:

Week ended April 24. Thirteen cases of smallpox were reported for the city of Manila.

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During the week the following cases and deaths from cholera were reported from the provinces of the Philippine Islands:

Province.	Cases.	Deaths.
Bohol	1	[illegible]
Cebu	2	[illegible]
Isabela	9	[illegible]
Sorsogon	2	1
Negros Occidental	33	[illegible]
Total	47	[illegible]

Smallpox.—While there were 13 cases of smallpox reported for the city of Manila for the week, there were in reality no actual cases of smallpox under observation, the patients having varioloid in its mildest form.

Cholera.—In the provinces there were fewer cases of cholera reported than for a number of months past. The mortality among those who are engaged in combating the disease was higher. One sanitary inspector and 2 constabulary guards succumbed in the province of Negros Occidental.

Decreased mortality.—There has been a decided drop in the mortality of the city of Manila for the first quarter of 1909 as compared with the same quarter of previous years, 616 fewer deaths occurring. This great improvement has been attributed to the use of the water from the new system, which is taken from an uninhabited watershed, and also to the improved housing and drainage which have been carried out in the poorer sections of Manila. During the week consular bills of health were issued at the port of Manila as follows:

On April 20 the British steamship *Aymeric*, with 33 crew, en route from Cebu to Tacoma, Wash., was granted a supplemental bill of health after the usual inspection of cargo and personnel.

Quarantine transactions of the service in the Philippine Islands during the month of March, 1909.

MANILA.

Bills of health issued	57
Vessels inspected	79
Passengers on arriving vessels inspected	3,016
Persons vaccinated	21
Members of crews on arriving steamships inspected	4,627
On arriving sailing vessels inspected	108
Persons bathed and effects disinfected	610
Steamships partially disinfected	3
Steamships fumigated to exterminate vermin	8
Pieces of baggage disinfected	813
Pieces of baggage inspected and passed	139
Vessels entering quarantine during the month	1
Steamships sailing without quarantine inspected and passed	9
Sailing vessels sailing without quarantine inspected and passed	1
Steamships disinfected	2
Members of crews quarantined	63
Passengers quarantined	63
Members of crews on vessels inspected	706
Passengers on vessels inspected	439
Members of crews bathed and effects disinfected	233
Passengers bathed and effects disinfected	201
Persons vaccinated	63
Cases of quarantinable diseases detected among personnel of vessels, smallpox	1
Pieces of baggage disinfected	1,433
Pieces of baggage inspected and passed	1,521
Pieces of miscellaneous cargo certified	56,447

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ILOILO.

Bills of health issued	6
Vessels inspected	58
Passengers on arriving vessels inspected	613
Members of crews on arriving steamships inspected	610
On arriving sailing vessels inspected	348

CEBU.

Bills of health issued	12
Vessels inspected	557
Passengers on arriving vessels inspected	2,217
Members of crews on arriving steamships inspected	3,717
On arriving sailing vessels inspected	2,267
Persons detained in quarantine	60
Steamships fumigated to exterminate vermin	1
Sailing vessels fumigated to exterminate vermin	1
Vessels entering quarantine	1

CAVITE.

Bills of health issued	7
Vessels inspected	7
Passengers on arriving vessels inspected	1
Members of crews on arriving steamships inspected	2,436

OLONGAPO.

No transactions.

DAVAO.

No transactions.

ZAMBOANGA.

Vessels inspected	7
Passengers on arriving vessels inspected	195
Members of crews on arriving steamships inspected	441

JOLO.

Vessels inspected	1
Passengers on arriving vessels inspected	13
Members of crews on arriving steamships inspected	60

TRINIDAD.

Report from Port of Spain—Plague officially declared present.

The following information is received from the Department of State, under date of June 5:

The American consul reports, May 27, 1 death from plague officially announced.

TURKEY.

Report from Bassorah—Plague on island of Bahrein, Persian Gulf.

The following information is taken from the bulletin of sanitary information received from Constantinople, under date of May 19:

The chief of the sanitary service of the Persian Gulf reports plague at Bahrein, May 12, with a total of 3 cases and 2 deaths.

VENEZUELA.

Report from Caracas—New plague case.

The following information is received from the Department of State, under date of June 5:

The American minister reports, June 3, another plague case. Total deaths, 3.

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FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AUSTRIA-HUNGARY—*Brunn.*—Month of March, 1909. Estimated population, 108,944. Total number of deaths 315, including tuberculosis 66, diphtheria 2, whooping cough 2, scarlet fever 1, and 2 from measles.

AZORES—*St. Michaels.*—Month of March, 1909. Estimated population, 131,183. Total number of deaths 235, including measles 2, whooping cough 14, enteric fever 1, and 8 from tuberculosis.

FRANCE—*Nantes.*—Month of April, 1909. Population, 1900, 132,900. Total number of deaths, 287, including 61 from tuberculosis.

FRANCE—*Roubaix.*—Month of April, 1909. Estimated population, 121,115. Total number of deaths 195, including scarlet fever 1, whooping cough 1, and 37 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—Annual report of deaths occurring during the year 1908 in 76 great towns in England and Wales, containing an estimated population of 16,234,952 persons. The deaths registered during the above period numbered 246,019, corresponding to a rate of 14.9 per 1,000 of population, including smallpox 1, measles 5,069, scarlet fever 1,718, diphtheria 2,578, whooping cough 4,751, "fever" mainly enteric 1,251, and 10,748 from diarrhea.

London.—The deaths registered in London in the 53 weeks ended January 2, 1909, numbered 67,353, corresponding to a rate of 13.8 per 1,000 of population, which is estimated at 4,795,757. The deaths reported include measles 1,524, scarlet fever 548, diphtheria 724, whooping cough 984, enteric fever 225, diarrhea 532, and 6,419 from phthisis.

Manchester.—Four weeks ended May 1, 1909. Estimated population, 655,435. Total number of deaths 940, corresponding to a death rate of 18.8 per 1,000 of population, including measles 51, scarlet fever 11, whooping cough 14, diarrhea 13, and 129 from tuberculosis.

Salford.—Report for the quarter ended April 3, 1909. Estimated population, 241,950. Total number of deaths 1,270, corresponding to an annual death rate of 21 per 1,000 of population, including measles 24, scarlet fever 16, whooping cough 15, diphtheria 31, enteric fever 19, and 136 from tuberculosis.

Ireland—Dublin.—Report for the quarter ended April 3, 1909. Estimated population, 306,902. Total number of deaths 2,128, including measles 68, scarlet fever 4, whooping cough 36, diphtheria 16, enteric fever 21, pneumonia 200, and 370 from tuberculosis. The total number of deaths correspond to an annual death rate of 27.7 per 1,000 of population.

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Belfast.—Report for the quarter ended April 3, 1909. Estimated population, 386,576. Total number of deaths 1,911, including measles 9, scarlet fever 1, whooping cough 25, diphtheria 7, enteric fever 4, pneumonia 187, and 337 from tuberculosis. The total number of deaths correspond to an annual death rate of 19.8 per 1,000 of population.

Scotland.—Annual report for the year 1908. The deaths registered in 8 principal towns numbered 30,752, corresponding to a death rate of 16.7 per 1,000 of population, which is estimated at 1,839,038. The total number of deaths include smallpox 6, measles 1,091, scarlet fever 192, whooping cough 934, diphtheria 291, typhus fever 2, enteric fever 99, diarrhea 531, and 3,882 from tuberculosis.

JAPAN—*Formosa.*—Three weeks ended May 1, 1909. Estimated population, 3,108,723. Total number of deaths, 179, including enteric fever 5, and 173 from plague.

SPAIN—*Almeria.*—Month of April, 1909. Estimated population, 50,910. Total number of deaths, 98, including smallpox 6, measles 1, and 9 from tuberculosis.

Huelva.—Month of April, 1909. Estimated population, 24,000. Total number of deaths, 50, including 8 from tuberculosis.

Madrid.—Month of April, 1909. Estimated population, 573,676. Total number of deaths, 1,393, including smallpox 30, typhus fever 158, enteric fever 22, scarlet fever 1, diphtheria 6, measles 42, whooping cough 6, and 131 from tuberculosis.

URUGUAY—*Montevideo.*—Month of March, 1909. Estimated population, 312,388. Total number of deaths, 439, including smallpox 8, scarlet fever 8, diphtheria 2, enteric fever 10, and 56 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to June 11, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Jan. 2	16	13	
China:				
Hongkong	Dec. 28-Jan. 16	2	2	
India:				
Bombay	Dec. 9-May 11		396	
Calcutta	Nov. 1-May 1		1,096	
Madras	Nov. 14-Apr. 9		61	
Negapatam	Oct. 31-Apr. 9		42	
Rangoon	Nov. 8-May 1		93	
Indo-China:				
Cholen	Nov. 9-15	1	1	
Saigon	Mar. 1-6	2	2	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Manila	Nov. 1–Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1–Jan. 16	260	163	
Bataan	Nov. 1–7	1	1	
Bohol	Dec. 20–Apr. 24	551	272	
Bulacan	Nov. 1–Feb. 27	82	71	
Cagayan	Nov. 1–Apr. 10	175	108	
Capiz	Nov. 1–Apr. 17	1,535	873	
Cavite	Nov. 1–Feb. 20	110	81	
Cebu	Dec. 20–Apr. 24	38	21	
Ilocos Norte	Nov. 1–Jan. 16	335	235	
Ilocos Sur	Nov. 1–Jan. 2	207	140	
Iloilo	Nov. 1–Apr. 17	495	155	
Isabela	Jan. 24–Apr. 24	21	12	
Laguna	Nov. 1–Mar. 6	119	81	
Leyte	Nov. 1–Mar. 6	158	125	
Misamis	Apr. 11–17	26	13	
Negros Occidental	Nov. 1–Apr. 24	606	341	
Nueva Ecija	Feb. 14–20	1	1	
Palawan	Nov. 1–Dec. 19	10	5	
Pampanga	Nov. 1–Apr. 10	105	78	
Pangasinan—Taytay	Apr. 10–17	9		
Rizal	Nov. 1–Apr. 17	249	218	
Samar	Nov. 1–Mar. 13	196	223	
Sorsogon	Jan. 10–Apr. 24	136	93	
Surigao	Nov. 15–Jan. 12	7	4	
Union	Nov. 1–Jan. 12	12	8	
Zambales	Dec. 6–12	3	3	
Russia, general	Nov. 15–May 15	4,081	1,791	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol) Bijsk, Smelnogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15–Jan. 23	34	13	
Bakoo	Nov. 22–28	3	2	
Batoon	Nov. 15–21	4	2	
Charkov	Dec. 6–Mar. 13	6	1	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Mar. 6	190	97	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7–Mar. 20	63	28	
Kherson	Nov. 15–Dec. 19	2		
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1		
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3		
Romanov-Borisoglyebsk	Mar. 10			Present.
Rybinsk	Mar. 13	7		
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of	Dec. 19–26	1		
Stavropol	Nov. 15–21	1		
St. Petersburg, government	Nov. 15–Mar. 19	35		
St. Petersburg	Nov. 29–May 15	2,368	724	
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 23	102	48	
Toula	Feb. 21–Mar. 6	7	2	
Tver district	Nov. 15–Dec. 5	4		
Volgoda	Dec. 6–12	1		
Yellsavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–Apr. 24	2	1	
Straits Settlements:				
Penang	Feb. 27	1		From s. s. Sunki Maru.
Singapore	Nov. 8–Apr. 24		167	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Barbados, general	Dec. 12–May 15	70	22	Including the parishes of St. Andrew, St. John, St. Joseph, St. Lucy, St. Michael, and St. Thomas.
Bridgetown	Dec. 12–Mar. 20	11		
Speightstown	Mar. 7	1		
Brazil:				
Bahia	Nov. 15–Apr. 30	193	76	
Manaos	Nov. 29–May 15		20	
Para	Nov. 22–May 22		83	
Pernambuco	Nov. 15–Mar. 15		3	
Rio de Janeiro	Apr. 18–25	1		
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Oriente Province—San Luis	Jan. 1–2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 27	82	8	
Ecuador:				
Guayaquil	Nov. 29–May 1		138	
Martinique:	Dec. 13–Mar. 6	5	1	
Fort de France				
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–May 19	17	8	Case May 19 from Tekax.
San Bernardo plantation	Dec. 27–May 1	8	4	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Ticul	Feb. 1–Apr. 13	4	2	
Veracruz	Dec. 6–Feb. 13	13	6	
Trinidad:				
Port of Spain	Jan. 20		1	

PLAGUE.

Arabia:				
Mascat	Apr. 16	1	1	From s. s. Agrica.
Azores:				
Fayal	Apr. 1	1		Sept. 22–Mar. 31, 10 cases additional.
Terceira	Mar. 31–Apr. 30	19	7	
Australia:				
Brisbane	Nov. 1–7	1	1	
Newcastle	Mar. 1–31	1		
Sydney	Mar. 6–20	9	4	
Belgium:				
Antwerp	Apr. 11	3		In quarantine at Doel from s. s. Rubens.
Brazil:				
Bahia	Nov. 15–Apr. 30	61	28	
Para	Jan. 24–Feb. 6		2	
Pernambuco	Nov. 1–Dec. 31		10	
Rio de Janeiro	Nov. 16–Apr. 25	78	36	
Chile:				
Antofagasta	Feb. 28–Apr. 17	42		Apr. 17, 9 cases in lazaretto.
Arica	Mar. 9			Present.
Iquique	Jan. 1–Apr. 18	63	22	Year 1908, 133–70; Apr. 18, 22 cases in the lazaretto.
Magillones	Mar. 9–10	70		
Taltal	Feb. 11			Present.
China:				
Amoy	Mar. 6	1		Apr. 17, present in vicinity, and present at Wuchang in September.
Canton	Mar. 6–May 1	115	80	
Changchew	Apr. 3			Epidemic.
Chinchew	Mar. 7–Apr. 3			Present.
Fukien Province, Chang Poo	Mar. 7–Apr. 26			Epidemic.
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–Apr. 3	31	23	
Tamchou	Dec. 19			Vicinity of Hainan: present.
Tientsin	Oct. 18–Nov. 21			Present. Feb. 16, again present.
Tongshan	Nov. 1–14			Present.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Babohoyo	Jan. 16–Mar. 27	5		
Guayaquil	Nov. 29–May 1		106	
Milagro	Nov. 17–Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25–Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14–May 3	5	1	
Port Said	Dec. 4–May 3	4	2	
Suakim	Feb. 1	1		On s.s. Huriet II.
Provinces—				
Assiout	Dec. 2–May 13	32	25	
Beherach	Nov. 24–Dec. 26	11	6	
Dakaklieh	Feb. 4–Mar. 20	6	6	
Galyoobeeyeh	Nov. 21–May 10	4		
Garbieh	Nov. 27–Jan. 28	4	2	
Girgeh	Oct. 18–Mar. 14	8	8	
Fayoum	Nov. 23–May 12	19	9	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–May 12	21	10	
German East Africa:				
Dar-es-Salaam	Oct. 10–Jan. 7	7	5	
Muanza	Apr. 14		60	
Great Britain:				
Elstree	Feb. 3–4	1	1	At plague laboratory.
India:				
Bombay Presidency and Sind.	Nov. 2–Apr. 24	25,872	18,840	
Madras Presidency	Nov. 2–Apr. 24	1,260	899	
Bengal	Nov. 2–Apr. 24	6,716	5,671	
United Provinces	Nov. 2–Apr. 24	12,082	10,515	
Punjab	Nov. 2–Apr. 24	26,350	21,096	
Burma	Nov. 2–Apr. 24	5,943	5,607	
Central provinces, including Berar.	Nov. 2–Apr. 24	6,566	5,201	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Apr. 24	3,023	2,184	
Hyderabad State	Nov. 2–Apr. 24	640	536	
Central India	Nov. 2–Apr. 24	819	636	
Rajputana	Nov. 2–Apr. 24	4,677	4,160	
Kashmir	Mar. 14–Apr. 24	23	12	
Northwest Province	Mar. 21–Apr. 27	2		
Grand total		93,978	75,360	
Bahrein Island, Persian Gulf	May 12	3	1	
Indo-China:				
Cholen	Oct. 25–Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25–Apr. 24	37	43	
Japan:				
Amagasaki	Feb. 27			Present.
Awaji Island, Sumoto	Feb. 27			Do.
Formosa	Nov. 8–May 8	767	314	Mainly in the central and south central part.
Himeji	Apr. 30	1	1	
Hiogo, prefecture				Year 1908, 219 cases additional.
Kagi, prefecture	Jan. 16	5		
Kagoshima, prefecture	Feb. 6	1		From s.s. Shinkochi Maru.
Kioto	Apr. 24	1	1	
Kobe	Jan. 20–Apr. 30	9	7	3 cases from s.s. Ghazee. Feb. 27, again present. Apr. 3, 1 case in vicinity.
Mikagi	Feb. 27			Present.
Nara, prefecture				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases. Feb. 28, still present.
Osaka	Dec. 22–May 1	4	2	Year 1908, 59 cases additional. Case Jan. 29, on s.s. Shinkochi Maru.
Tokushima, prefecture		1		Year 1908.
Yokohama	May 17	9	3	Do.
Yura		116	83	Do.
Mauritius	Oct. 2–Jan. 31		115	
Persia:				
Bushire	Apr. 30		10	On a vessel.
Peru:				
Arequipa, department	Feb. 19–Apr. 15	7	4	
Mollendo	Nov. 1–Feb. 18	1	5	
Cajamarca, department	Feb. 19–Apr. 15	67	42	
Cascas	Feb. 12–18	12	5	
Chota	Jan. 22–Feb. 18	8	8	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Lambayeque, general	Feb. 19-Apr. 15	66	19	
Chiclayo	Nov. 13-Feb. 18	44	23	
Eten	Nov. 13-Dec. 31	11	10	
Jayanca	Feb. 4	12		
Lambayeque	Feb. 18-Mar. 4	6	5	
Motupe	Dec. 17-Jan. 14	2		
San Jose	Nov. 13-Dec. 3	2		
Zaña	Jan. 14-Feb. 18	4	2	
Libertad, department	Feb. 19-Apr. 15	60	21	
Casma	Feb. 4	1	1	
Chepen	Nov. 27-Feb. 18	19	6	
San Pedro	Nov. 13-Feb. 18	28	21	
Trujillo	Nov. 13-18	153	70	
Lima, department	Feb. 19-Apr. 15	35	13	
Chorrillos	Jan. 22-Feb. 4	2	2	
Lima	Nov. 13-Feb. 13	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15		
Piura, department	Feb. 19-Mar. 4	2	1	
Catacaos	Dec. 11-Feb. 18	7		
Paita	Dec. 11-17	3	2	
Piura	Dec. 11-Jan. 14	6	4	
Russia:				
Libau	Mar. 30-Apr. 5	1		
Siam:				
Bangkok	Sept. 27-Apr. 24	16	8	
Straits Settlements:				
Singapore	Nov. 30-Apr. 24	6	6	
Trinidad:				
Port of Spain	May 27		1	
Turkey in Asia:				
Bagdad	Nov. 6-May 18	19	7	
Beirut	Dec. 17-Jan. 9	5	5	
Jiddah	Dec. 12-Apr. 25	178	160	
Venezuela:				
Caracas	May 20-June 3	3	3	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1-Apr. 30		113	
Bona	Jan. 1-Apr. 30	80	47	
Arabia:				
Aden	Nov. 25-Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1-Feb. 28		5	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1		
Austria:				
Bohemia	Jan. 31-May 1	9		
Galicia	Dec. 20-May 15	12		
Silesia	Jan. 3-May 1	6		
Trieste	Mar. 21-27	1		
Barbados:				
Bridgetown	May 1	1		From s. s. Parima.
Brazil:				
Bahia	Nov. 15-Apr. 30	353	36	
Para	Feb. 14-Mar. 27	3	2	
Pernambuco	Nov. 1-Mar. 15		118	
Rio de Janeiro	Nov. 16-Apr. 25	1,417	698	
Santos	Nov. 1-Dec. 20		10	
São Paulo	Nov. 1-Apr. 11		60	
British Honduras:				
Stann Creek	Feb. 5-Mar. 10	6	1	32 miles south of Belize
British South Africa:				
Cape Town	Dec. 28-Mar. 13	5		
Durban	Mar. 20-27	1		
East London	Apr. 10-17	1	1	From s. s. Ellerie.
Canada:				
British Columbia—				
Vancouver	Dec. 1-Apr. 30	8		
Victoria	Dec. 12-Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20-May 29	8		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
Ontario, Province, general	Dec. 1-31	118		
Hamilton	Jan. 17-23	1		
Toronto	Nov. 8-May 15	26		
Nova Scotia—				
Halifax	Dec. 13-May 31	87		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1-May 29	32		Revised.
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Ceylon:				
Colombo	Nov. 1-Apr. 24	201	4	
Chile:				
Concepcion	Jan. 15-31	1		
Santiago	Apr. 27			Epidemic in suburbs.
Talcaguana	Nov. 20-Jan. 28			Present in vicinity.
Valparaiso	Dec. 6-19	2		
China:				
Amoy, Kulangsu	Oct. 11-Nov. 8		2	May 1, still present.
Canton	Mar. 6-May 1	95		
Hankau	Mar. 20			Present.
Hongkong	Jan. 3-Apr. 3	18	6	
Shanghai	Nov. 11-May 1	7	7	3 cases Nov. 11-Dec. 28 from U. S. transport Seward, case Apr. 17 from s. s. Helena.
Tientsin	Jan. 17-May 1	18	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26-Apr. 3	5		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecu ador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12-Feb. 25	737	164	
Alexandria	Nov. 26-Mar. 31	50	30	
Cairo	Nov. 19-May 6	504	144	
Suez	Feb. 19-Mar. 6	27	2	
France:				
Marseille	Dec. 1-Apr. 30		5	
Nantes	Mar. 15-21	1		
Nice	Jan. 1-Feb. 28	2		
Paris	Nov. 22-May 22	73	3	
Toulon	Jan. 1-31	1		
Germany, general	Nov. 19-May 22	98		
Bremen	Jan. 16-23	2		
Breslau	Dec. 20-26	1		
Brunswick	Feb. 16-20	1		
Hamburg	Mar. 13-May 22	4		Among Russian emigrants.
Konigsberg	Jan. 9	1		
Gibraltar	May 2	1		
Greece:				
Athens	Nov. 22-Mar. 6		5	
Patras	Dec. 16-31	1	1	
Great Britain:				
Bristol	Dec. 13-May 22	34	9	
Cardiff	Apr. 3-May 1	1	1	
Dunbar	Mar. 21-27	1		From a vessel.
London	Feb. 1-6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25-May 11		316	
Calcutta	Nov. 1-May 1		3,498	
Madras	Nov. 28-May 7		37	
Rangoon	Nov. 22-May 1		103	
Indo-China:				
Cholen	Nov. 15-Dec. 5	6	5	
Saigon	Nov. 1-Apr. 24	51	28	
Italy, general	Nov. 30-May 16	390		
Catania	Feb. 28-May 8	9		
Cinquefrondi	Jan. 15-21	13		
Florence	Nov. 24-Mar. 10	4		
Genoa	Dec. 1-Apr. 30	11		
Naples	Dec. 7-May 16	421	68	Jan. 18, 1 case on s. s. Europa. Case Apr. 23 on s. s. Montevideo. May 1, 1 case on s. s. Verona.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy—Continued.				
Palermo	Jan. 24–Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15–21	2		
Japan:				
Formosa	Nov. 29–May 8	23		
Kobe	Feb. 14–Mar. 6	5	2	3 cases in March from s. s. Ghazee from Singapore.
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–Apr. 24	85	10	
Malta	Nov. 22–Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17–Apr. 10	7	2	
Mexico:				
Acapulco	Jan. 11–Feb. 14	15		
Acayucan	Mar. 17			Present.
Chihuahua	Apr. 19–May 23	6	1	
Guadalajara	Jan 7–27		20	
Matamoras	May 9–15	1		
Mexico City	Nov. 8–May 8		364	
Monterey	Jan. 4–May 30		83	
Puebla	May 9			Epidemic.
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Salina Cruz	Jan. 1–15	5		
Tampico	Apr. 28			Present at localities between Tampico and Tuspan.
Tehuantepec	Jan. 28–Feb. 3			Present.
Veracruz	Dec. 13–May 16	9	5	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Nymwegen	Apr. 28–May 4	1		
Rotterdam	Jan. 10–Mar. 27	1	1	
Newfoundland	Feb. 9–Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10–Apr. 3	11		Case Jan. 10 from s. s. Portia.
Norway:				
Bergen	Jan. 24–30		2	
Christiania	Nov. 22–28	1	1	
Paraguay:				
Asuncion	Dec. 20–26			Present.
Persia:				
Arabistan	Jan. 1–28			Do.
Dizfoul	Jan. 1–28			Do.
Hamadan	Oct. 2–Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Mar. 1–31	22		Present in October.
Mash-Had	Apr. 5			Present.
Mechedisser	Jan. 1–28			Do.
Mohammerah	Jan. 1–28			Do.
Sultanabad	Oct. 1–31			Do.
Tabriz	Oct. 2–Apr. 5			Do.
Teheran	Sept. 18–Oct. 28		17	
Trebizond	Jan. 16			Do.
Peru:				
Lima	Nov. 22–Dec. 31	11		Mar. 27, 1 case in the lazaretto.
Salaverry	Nov. 19–25		1	
Philippine Islands:				
Manila	Nov. 1–Apr. 24	111	22	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20–Jan. 2	2		
Portugal:				
Lisbon	Nov. 30–May 15	77		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom	Dec. 1–Mar. 31	4		
Moscow	Nov. 20–May 8	503	198	
Odessa	Oct. 4–May 8	91	15	
Reval	Jan. 1–31	1		
Riga	Nov. 29–May 15	27		
St. Petersburg	Nov. 15–May 8	259	79	
Warsaw	Nov. 1–Mar. 27		78	
Salvador:				
Ahuachapan	Apr. 27	5		In quarantine.
San Geronimo, Canton	Apr. 27	7	2	Matopan, department.
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6–Apr. 27	40		Present on routes to Guatemala.
Santiago	Apr. 27	12		

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Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Servia:				
Belgrade	Dec. 6–May 8	12	2	
Siam:				
Bangkok	Feb. 1–Apr. 24	147	92	Present in November.
Siberia:				
Vladivostok	Dec. 14–Feb. 14	2		
Southeast Africa:				
Lourenço-Marquez	Jan. 1–31	1	1	
Spain:				
Almeria	Jan. 1–Apr. 30		10	Apr. 1–Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6–May 24		87	
Cartagena	July 1–31		15	
Huelva	Mar. 1–31		2	
Madrid	Nov. 1–Apr. 30		118	
Valencia	Nov. 29–May 15	126	11	
Vigo	Nov. 30–May 22		14	
Straits Settlements:				
Penang	Mar. 1–27	2	2	Case Mar. 1 from s. s. Pentakota; case Mar. 27 from s. s. Hong Sin
Singapore	Dec. 28–Apr. 24		17	
Switzerland:				
Zug, Canton	Apr. 11–17	1		
Zurich	Feb. 21–27	3		
Tripoli:				
Tripoli	Feb. 13–Apr. 24	181	31	
Turkey in Asia:				
Adalia	Sept. 24–27		2	
Bagdad	Feb. 13–Apr. 17			Present.
Bassorah	Jan. 3–May 8			Do.
Smyrna	Oct. 7–Apr. 15		74	
Turkey in Europe:				
Constantinople	Dec. 7–May 16		71	
Trebizond	Feb. 7–May 2			Do.
Uruguay:				
Montevideo	Dec. 1–Mar. 31		21	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	May 15	181,918	51										3	
Acapulco	do	5,000	5											
Aden	May 3	43,974	20	2										
Do	May 10	43,974	32	2										
Aix-la-Chapelle	May 1	157,732	56	8							1	3	2	
Amsterdam	May 13	566,218	157	18								2	6	
Antwerp	May 8	343,921	79	7									2	
Athens	May 15	242,058	60	20						1				
Baracoa	do	27,000	6											
Bahia	Apr. 23	265,000	74	13			3							
Do	Apr. 30	265,000	120	20	1		4	1						
Barcelona	May 17	600,000	380	17				6		1		2	3	1
Barmen	May 1	161,400	43	7										
Barranquilla	May 8	40,000	11	1										
Belfast	May 15	386,576	145	26										5
Belize	May 20	9,113	7											
Bergen	May 8	87,749	21	3								5		
Birmingham	May 15	558,336	141								1		5	1
Bluefields	do	2,500	3											
Bombay	May 4	977,822	1,053	38	430	18		17		2			3	
Bordeaux	May 8	253,000	102	13								1		
Do	May 15	253,000	101	13						1		1	1	1
Bradford	do	293,983	78	9							1	1	1	1
Bremen	May 8	234,719	50	10						1	1	1		1
Do	May 15	234,719	60	10								1		
Breslau	May 8	335,186	178	30										2

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Bristol	May 15	377,642	84	6							1		2	1
Brussels	do	704,975	204	24						1	2	1	3	
Budapest	May 1	804,200									3		4	
Do	May 8	804,200								1	2	2	4	1
Cairo	May 6	701,806	683	21				9	7	9		4	67	
Calcutta	Apr. 24	847,796	641	22	117	98		131					1	
Canton	Apr. 3	1,000,000	250	25						5				
Do	Apr. 10	1,000,000	250	25	3					5		3		
Do	Apr. 17	1,000,000	250	25	10					5		3		
Cardiff	May 1	195,303	31	2				1						
Do	May 8	195,303	55	8										2
Do	May 15	195,303	53	5									3	2
Cartagena	May 2	30,000	12	2										
Do	May 16	30,000	8											
Chemnitz	May 8	272,442	72	8							1	1	1	
Chihuahua	May 16	37,000	27	2										
Do	May 23	37,000	31	4						1				
Christiania	May 8	235,000	46									1	2	1
Cienfuegos	May 22	37,000	19											
Cognac	May 15	19,483	8	2										
Cologne	May 8	469,879	153	27							4	4	2	2
Colon	May 15	16,000	6	2										
Constantinople	May 9	1,000,000	138	41						8			1	
Copenhagen	May 1	447,000	139	14							2	1	6	2
Dalny	Apr. 24	36,885	12	1										
Denia	May 8	12,431	4											
Dresden	do	546,900	130	26								3	3	
Do	May 15	546,900	156	25							2	1	1	2
Dundee	do	169,409	61									1		2
Durban	Apr. 24	60,244	13	2										
East London	do	49,253	7											
Do	May 1	49,253	8							1				
Edinburgh	May 15	355,366	97	12										4
Erfurt	May 8	107,189	33	1						3		1		
Flushing	May 15	21,208	5											
Frankfort on the Main	May 8	362,600	92							1				1
Frontera	May 15	9,000	4											
Gibraltar	May 16	36,830	7											
Glasgow	May 21	872,021	254								3	3		8
Greenock	May 15	72,300	16											
Guayaquil	May 1	75,000	81	11	6		13							2
Halifax	May 22	40,787	14	5										
Hamilton	May 24	20,206	4											
Hilo	May 8	3,500	1											
Hull	May 15	275,552	68							1			1	1
Kobe	Apr. 24	380,717	123		2							1		
Do	May 1	380,717	132						3			1		
Do	May 8	380,717	137											
Königsberg	do	239,100	101	15						1				1
Leeds	May 15	484,012	122	6						2				1
Leipzig	May 8	537,686	163	21						1	2		2	3
Leith	May 15	85,721	16											
Libau	May 16	90,000										1		
Liverpool	May 15	760,357	228	23						3	6	2	10	6
London	do	4,833,938	1,216	146							12	7	53	30
Lübeck	do	97,000	28	6										
Lyon	May 1	472,114	160	27							3	2		
Madras	Apr. 30	509,346	316					5					3	
Magdeburg	May 8	249,787	76	6							2			
Do	May 15	249,787	65	6								2		1
Managua	Apr. 17	22,728	14	2										
Do	Apr. 24	22,728	15	1										
Do	May 1	22,728	16	2										
Manchester	May 15	631,533	218	20							4	1	11	2
Matamoros	May 22	8,000	5	2										
Mazatlan	May 15	22,000	15											
Do	May 22	22,000	22											
Mexico	Apr. 3	400,000	449	23				38	18		21	3	1	2
Do	Apr. 10	400,000	448	23				35	18		18	8	5	1
Do	Apr. 17	400,000	476	31				20	14		10	7	5	3
Moncton, N. B	May 22	13,500	2											
Do	May 29	13,500	3											
Monterey	May 23	100,000	78	3				3		1			1	

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Montreal	May 22	378,856	132	21						1	2		1	2
Moscow	May 1	1,235,104	761	15				14	7	7	19	15	22	6
Do	May 8	1,235,104	742	96				15	3	1	25	14	23	3
Nagasaki	Apr. 25	175,936	49							1		1		
Do	May 2	175,936	34									1		
Naples	May 15	593,729	273											
Newcastle on Tyne	do	281,584	92							1		2	5	2
Niuchwang	Apr. 24	60,000	7											
Nottingham	May 8	260,000	76										6	2
Nuevo Laredo	May 22	8,000	7	1										
Odessa	May 8	467,000	171	30					2		3		1	
Ottawa	do	80,200	18											
Do	May 15	80,200	33											
Palermo	Apr. 17	330,000	143	8					1				1	
Do	Apr. 24	330,000	135	6							1		1	
Do	May 1	330,000	114	8					1			1	1	
Paris	May 8	2,776,394	1,027	229						10	11	6	11	5
Penang	Apr. 24	102,520	65	12										
Plymouth	May 15	124,180	25											
Port Elizabeth	Apr. 24	32,959	9	1						2				
Do	May 1	32,959	8	1						1				
Prague	do	229,965	134	37							1	3	1	
Do	May 8	229,965	150	35							2	2	2	
Rangoon	Apr. 24	252,155	192	6	24			2						
Rotterdam	May 15	413,563	113									3		
St. John, N. B	May 22	40,711	6	1										
Do	May 29	40,711	9	1						1				
St. Petersburg	Apr. 24	1,678,000	889	141				7	1	10	24	17	33	10
San Felin de Guixols	May 15	11,094	5											
Santiago de Cuba	Apr. 10	53,614	14											
Do	May 22	53,614	12											
Santos	Apr. 18	82,000	27	2						1				
Shanghai	Apr. 17	565,000		16										
Sheffield	May 8	440,000	128	11						1		1	5	2
Do	May 15	440,000	149	24						2		1	8	
Singapore	Apr. 17	260,000	169	14		3				1				
Do	Apr. 24	260,000	231	37	1	2				1				
Southampton	May 15	124,667	27	8						1		2		1
South Shields	do	117,627	33	5										2
Stettin [a]	Mar. 27	230,000	92	9							2	1		
Do	May 15	230,000	85	8							1		1	
Stockholm	May 1	339,582	112	25							3	1		1
Sunderland	May 15	159,137	52	7							1		2	
Tegucigalpa	May 11	24,000	12	1										
Tientsin	Apr. 17	1,000,000	6	2					1					
Do	Apr. 27	1,000,000	6	2						2	1			
Trieste	May 8	217,706	90										1	
Turin	May 14	381,439	133	17						1		2		
Valencia	May 8	240,000	109	10				1		1				
Victoria, B. C	May 22	30,000	7	1										
Vienna	May 8	2,064,037	673	115						2	3	10	25	4
Vigo	May 15	40,000	8	2										
West Hartlepool	do	66,750	17									1		
Winnipeg	May 22	118,000	19							1				
Yokohama	May 3	378,884			1									
Do	May 10	378,884								1		1		

[a] Reported out of date.

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

THE PREVALENCE OF PELLAGRA IN THE UNITED STATES—A STATISTICAL AND GEOGRAPHICAL NOTE, WITH BIBLIOGRAPHY.

By C. H. LAVINDER, Passed Assistant Surgeon, United States Public Health and Marine-Hospital Service; C. F. WILLIAMS, M. D., Secretary South Carolina State Board of Health and State Health Officer; and J. W. BABCOCK, M. D., Physician and Superintendent State Hospital for the Insane, Columbia, S. C.

Forty-five years ago 2 cases of probable pellagra with mental symptoms were reported by Doctor Gray, of Utica, N. Y., and Doctor Tyler, of Somerville, Mass., at the annual meeting of American Asylum Physicians, held in Washington, D. C. Exclusive of 1 case reported by Dr. H. F. Harris, of Georgia, and 1 by Dr. S. Sherwell, of Chicago, in 1902, the disease has since 1864 till recently, 1906–7, either disappeared or been overlooked, or, which is more likely, the physician when first studying one of these puzzling cases and inclining to the diagnosis of pellagra has accepted too readily the assertion of all authorities that pellagra does not exist in the United States, and has therefore given another name to his case (see final note), although his professional conscience may never have been satisfied.

In spite of authoritative denial of the existence of pellagra in this country, a number of cases of the disease were recognized and reported in 1907 independently by medical officers of Alabama and South Carolina asylums. In the summer of 1908 the disease was identified with Italian pellagra by two South Carolina physicians who visited Italy for the purpose of studying the disease. Following these observations, pellagra has been observed in many different localities, such as Wilmington, Morganton, and Charlotte, N. C., Augusta, Milledgeville, and Atlanta, Ga., and in many places in South Carolina, as well as in other States.

For the last year and a half the South Carolina State board of health has been actively investigating the pellagra problem by special inquiry, conference, and original research with the cooperation of Surgeon-General Wyman, of the United States Public Health and Marine-Hospital Service, who has assigned one of the present writers (C. H. L.) to duty at Columbia and vicinity for this purpose.

Recently a letter of inquiry (see below) about pellagra was addressed by another of the present writers (C. F. W.) to the superintendents of state hospitals for the insane in the United States, and the following table embodies their replies:

To 164 inquiries 120 replies were received, about 20 being in the affirmative.

New York: Number of cases, few (near Brooklyn).
Pennsylvania (Dixmont): Number of cases, 1; recognized, 1909 (Hungarian).

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Maryland: Number of cases, 1 or 2; recognized, 1909; probably existed since 1905: male, 1; female, 1.

Virginia (Staunton): Number of cases, 1 (?); recognized, 1908.

Virginia (Petersburg): Number of cases, 1 (?).

North Carolina (Raleigh): Number of cases, several; recognized, 2 or 3 years; probably existed 10 years.

North Carolina (Goldsboro): Number of cases, 8; recognized, 1908; probably existed 10 years; female, 8.

North Carolina (Doctor Taylor, Morganton): Number of cases, 8; probably existed 22 years.

North Carolina (Doctor McCampbell, Morganton): Number of cases, 20; probably existed 5 years.

North Carolina (Doctor Wood, Wilmington): Number of cases, 75 in State.

South Carolina State Hospital: Number of cases, 125; recognized, 1907; probably existed 20 to 30 years; male, 25 per cent; female, 75 per cent.

South Carolina (Doctor Williams, Columbia): Number of cases, 500 estimated in State.

Georgia (Grady Hospital, Atlanta): Number of cases, 10; recognized, 1907.

Georgia (State Sanitarium, Milledgeville): Number of cases, 225; recognized, 1907; probably existed about 25 years; male, 25 per cent; female, 75 per cent.

Florida (State Hospital, Chattahoochee): Number of cases, 12; recognized, 1907; probably existed 4 years; male, 5; female, 7.

Alabama (Mount Vernon Hospital): Number of cases, 154, and 2 private; recognized, 1906; probably existed since 1906; male, small number; female, large number. Dr. G. H. Searcy estimates 150 to 200 cases in State.

Mississippi (Jackson): Number of cases, 1; other cases in State.

Mississippi (Meridian): Number of cases, 2; recognized, 1907 (?); male, 1; female, 1.

Louisiana (Pineville): Number of cases, 3.

Tennessee (Baptist Orphans' Home, Nashville): Number of cases, 11.

Kansas (Topeka): Number of cases, 6 (?); probably existed 15 years; male, 3; female, 3.

Kansas (Epileptic colony, Parsons): Number of cases, 1; probably existed, native.

This table seems to show that there are records of about 1,000 cases of pellagra scattered in 13 States. More than half of these have been reported from asylums or similar institutions. Sporadic or suspected cases have been reported from Texas and Arkansas, as well as from New York.

Dr. E. J. Wood, of Wilmington, N. C., has records of 300 cases in the South, 75 of which occurred in North Carolina. It has been estimated that hundreds of cases exist in Georgia, and Doctor Walker, of the State Sanitarium, Milledgeville, says that 2 per cent of over 947 admissions in 1908 were cases of pellagra.

One of the present writers (C. H. L.) has reported to the Surgeon-General a conservative estimate of 1,500 cases in the Southern States since 1906.

The asylum officers in Maryland have not observed cases, but Dr. W. S. Thayer, of the Johns Hopkins Hospital, has recently recognized and reported a case of the disease in Baltimore and is satisfied that he observed a similar case several years ago (1905).

The disease does not seem to have appeared in the Tennessee Hospital for the Insane, but 11 cases of pellagra have been reported as occurring in the Baptist Orphans' Home at Nashville.

Doctor Dewing, of the Long Island State Hospital, Flatbush, Brooklyn, N. Y., reports that he has had no cases of pellagra in his hospital, but "a few cases apparently from other sections of the country" have been observed in that vicinity.

One of the present writers observed in New York, in 1908, a case of the disease in a white American seaman in the coastwise service.

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Although not within the boundaries of the United States, it deserves passing note that Dr. B. K. Ashford has reported the observation of 1 case in Porto Rico, and Dr. J. A. Hayne has observed 2 cases on the Panama Canal Zone.

While absolute accuracy is not claimed for these statistics, they may be regarded as a fair indication of the extent and distribution of pellagra as now recognized in this country, and their presentation at this time is made for the purpose of emphasizing the growing importance of the pellagra problem in the United States.

The following interrogations are used by one of the present writers (C. F. W.) in gathering statistics of pellagra:

1. Have you seen any case of pellagra in your institution or in your State? .....
2. How many cases have you seen? .....
3. How long since you recognized the disease? .....
4. If at all, how long do you think the disease has existed in your section? .....
5. What proportion were male? ..... Female? .....
6. What was the occupation of those affected? ..... Nationality? .....
7. Do the products of Indian corn (hominy or meal) form a part of the dietary of the patients and are those products derived from native or shipped corn? .....
8. Were your patients from the poor ....., moderate ....., or well-to-do classes? ..... And were they from the city ....., town ....., or country? .....

..... M. D.,
Superintendent.....
State of .....

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NOTE.—There seems little doubt that the condition now recognized as pellagra has existed in the Southern States for many years—25 or 30 at least—and has been regarded as an unusual manifestation of tuberculosis, syphilis, malaria, acute delirium, hook-worms, dermatitis exfoliativa, eczema, etc. Careful search through medical literature may disclose the fact that cases of pellagra have been reported under these or other diagnoses.

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond and in Alameda and Contra Costa counties, Cal.

Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended May 22, 1909.

Dead inspected	110
Plague	0
Premises inspected	2,514
Houses disinfected	57
Buildings condemned	5
Houses destroyed	2
Nuisances abated	317
Rats found dead	56
Rats trapped	2,494
Total rats taken	2,550
Rats identified:	
Mus norvegicus	1,963
Mus rattus	66
Mus musculus	477
Mus alexandrinus	17
Total	2,523
Rats identified as to sex:	
Male	953
Female	1,012
Total	1,965
Gophers trapped	21
Rabbits trapped	1
Rats examined bacteriologically	1,612
Plague rats	0
Gophers examined bacteriologically	21
Plague gophers	0

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Rabbits examined bacteriologically	1
Plague rabbits	0
Poisons placed	16,691

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended May 29, 1909.

Dead inspected	23
Plague	0
Necropsies held	1
Premises inspected	438
Premises reinspected	477
Premises cleaned	95
Nuisances abated	103
Garbage cans installed	13
Rats found dead	31
Rats trapped	943
Rats identified:	
Mus norvegicus	970
Mus alexandrinus	2
Mus musculus	36
Total	1,008
Rats examined bacteriologically	972
Plague rats	0
Mice examined bacteriologically	36
Plague mice	0

POINT RICHMOND, CAL.

Week ended May 29.

Premises inspected	350
Nuisances abated	21
Rats found dead	14
Rats trapped	51
Rats examined bacteriologically	51
Plague rats	0
Poisons placed	4,900

ALAMEDA COUNTY, CAL.

Week ended May 29, 1909.

Dead inspected	46
Plague	0
Necropsies held	8

CONTRA COSTA COUNTY, CAL.

Week ended May 29.

Dead inspected	1
Plague	0
Ground squirrels shot	332
Ground squirrel found dead	1
Ground squirrels trapped	12
Ground squirrels examined bacteriologically	261
Plague squirrels	0
Ranches inspected	22
Acres covered with poison	33
Poisons placed	801

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Reports from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, June 1:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended May 29, 1909.

Rats received	792
Rats necropsied	784
Plague rats found	0
Plague-infected rats to date	21

Report of plague laboratory work, month of May, 1909—Examination of rats for plague infection—Lepra-like disease found.

Assistant Surgeon Chapin reports, June 3, through Passed Assistant Surgeon Glover:

Month of May 1909.—During the month 3,663 rats were delivered at the laboratory and 3,349 were necropsied. No plague-infected rats were found.

Bounty men have been making large catches from the city dump, brush bulkheads, etc., at the southern end of the city, a section shown last year to be plague infected. Partly because many of these rats are too putrefied to show anything definite by the usual method of examination and partly to avoid the possibility of overlooking any infection, the method has been adopted in certain cases of inoculating a single animal by cutaneous method from the organs of every rat of an entire catch from the same locality, sometimes 30 or even more in number. Inoculation has thus been made during the month from over 400 rats, with negative results.

Two cases of lepra-like disease of rats have been found during the month.

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*San Francisco.*—Annual report for the fiscal year ended June 30, 1907. Total number of deaths, 6,302, including enteric fever 228, smallpox 1, measles 42, scarlet fever 9, whooping cough 37, diphtheria 41, plague 1, leprosy 4, beriberi 2, and 678 from tuberculosis. Cases: Scarlet fever 229, diphtheria 295, enteric fever 1,279, measles 1,236, tuberculosis 595, smallpox 40, whooping cough 5, beriberi 1, and bubonic plague 1.

COLORADO—*Colorado Springs.*—Month of March, 1909. Estimated population, 32,000. Total number of deaths, 39, including scarlet fever 1, and 8 from tuberculosis. Cases: Scarlet fever 14, and diphtheria 1.

Month of April, 1909. Total number of deaths, 40, including scarlet fever 2, diphtheria 1, and 12 from tuberculosis. Cases: Scarlet fever 13, diphtheria 4, measles 1, and whooping cough 2.

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FLORIDA.—Report from the state board of health of cases of communicable diseases for the week ended June 5, 1909, shows as follows: *Malaria*—Crescent City 2, Jacksonville 21, Tampa 8, Daytona, Inverness, Lakeland, Floyd, Plant City, and Sanford each 1 case. *Tuberculosis*—Jacksonville 6, Tampa 3, Key West 2, Pensacola and Palmetto each 1 case. *Enteric fever*—Jacksonville 2, Citra, Dade City, De Funiak Springs, and Morriston each 1 case.

Pensacola.—Month of May, 1909. Estimated population, 30,000. Total number of deaths, 38, including smallpox 1, and 1 from tuberculosis.

INDIANA—*Jeffersonville.*—Month of May, 1909. Estimated population, 12,000. Total number of deaths, 11, including 1 from enteric fever. Cases: Enteric fever 1, and diphtheria 1.

IOWA—*Ottumwa.*—Month of May, 1909. Estimated population 25,000. Total number of deaths, 31, including 3 from tuberculosis. Cases: Measles 10, diphtheria 1, smallpox 4, and whooping cough 12.

KANSAS.—Month of April, 1909. Estimated population, 1,470,495. Total number of deaths from contagious and infectious diseases, 111. Causes of death: Tuberculosis 72, enteric fever 10, diphtheria 7, scarlet fever 3, smallpox 1, and 18 from measles. Cases: Tuberculosis 109, enteric fever 26, diphtheria 64, scarlet fever 113, smallpox 315, and measles 1,006.

MASSACHUSETTS—*Newton.*—Month of May, 1909. Estimated population, 38,919. Total number of deaths, 46, including measles 2, and 3 from pulmonary tuberculosis. Cases: Diphtheria 6, scarlet fever 11, enteric fever 1, measles 147, and pulmonary tuberculosis 4.

NEW HAMPSHIRE—*Franklin.*—Month of May, 1909. Estimated population, 7,200. Total number of deaths, 11, including 1 from measles. Cases: Measles 10, and diphtheria 1.

Manchester.—Month of April, 1909. Estimated population, 68,000. Total number of deaths, 116, including diphtheria 3, enteric fever 4, and 11 from tuberculosis. Cases: Diphtheria 18, scarlet fever 3, measles 5, and enteric fever 7.

NEW YORK STATE.—Month of April, 1909. Estimated population, 8,699,643. Total number of deaths, 12,822, corresponding to an annual death rate of 18 per 1,000 of population, including enteric fever 55, smallpox 1, measles 195, scarlet fever 113, whooping cough 77, diphtheria 242, and 1,596 from tuberculosis. Cases: Tuberculosis 3,015, diphtheria 1,584, scarlet fever 2,475, measles 7,053, smallpox 33, and enteric fever 258.

Buffalo.—Month of May, 1909. Estimated population, 415,532. Total number of deaths, 491, including enteric fever 5, scarlet fever 13, diphtheria 6, whooping cough 1, and 36 from tuberculosis. Cases: Enteric fever 25, scarlet fever 258, diphtheria 33, measles 56, whooping cough 16, and tuberculosis 59.

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Rome.—Month of May, 1909. Estimated population, 18,500. Total number of deaths, 33, including scarlet fever 1, measles 1, whooping cough 1, and 1 from tuberculosis. Cases: Scarlet fever 7, diphtheria 6, enteric fever 1, whooping cough 2, measles 3, and tuberculosis 1.

PENNSYLVANIA—*Pittsburg.*—Month of January, 1909. Estimated population, 572,000. Total number of deaths, 750, corresponding to an annual death rate of 15.73 per 1,000 of population, including diphtheria 12, scarlet fever 11, enteric fever 5, tuberculosis 47, whooping cough 2, measles 3, and 23 from diarrhea. Cases: Diphtheria 66, scarlet fever 114, tuberculosis 167, enteric fever 89, whooping cough 66, and measles 84.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to June 18, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Autauga County	Feb. 27–Apr. 5	11	.....	
Prattville	Feb. 27–Apr. 5	3	.....	
Dallas County	Feb. 20–Apr. 12	12	.....	
Selma	Feb. 28–Apr. 12	26	.....	
Jefferson County— Birmingham	Mar. 1–May 24	11	.....	
Mobile County— Mobile	Jan. 12–Apr. 17	8	.....	
Montgomery County— Montgomery	Mar. 13–Apr. 2	.....	2	
Tuscaloosa County	.....	.....	.....	86 cases, year 1908.
Total for State	.....	71	2	
Arizona:				
Winslow	May 1–3	1	1	
Total for State	.....	1	1	
Arkansas:				
Allbrook	Jan. 1–Mar. 25	40	.....	
Bethel	Jan. 25	3	.....	
Jonesboro	Jan. 20–Mar. 1	20	.....	
Little Rock	Dec. 15–Jan. 2	23	.....	
Magnolia	Jan. 5–13	25	.....	
Paragould	Feb. 1–Mar. 9	27	.....	
Texarkana	Nov. 26–Jan. 11	10	.....	
Total for State	.....	148	.....	
California, general	Nov. 1–Mar. 31	.....	5	
Berkeley	Apr. 18–24	1	.....	
Los Angeles	Dec. 6–May 15	23	1	
Oakland	Nov. 1–Apr. 26	18	.....	
Sacramento	Nov. 1–May 29	63	.....	
San Francisco	Dec. 13–May 22	37	.....	
Stockton	Nov. 1–May 1	13	.....	
Total for State	.....	155	6	
Colorado, general	July 1–Feb. 23	57	.....	
Archuleta County	July 1–Dec. 31	1	.....	
Boulder County	Mar. 1–31	2	.....	
Chaffee County	July 1–Mar. 31	2	.....	
Clear Creek County	Mar. 1–31	1	.....	
Conejos County	Mar. 1–31	2	.....	
Denver County— Denver	July 1–Mar. 31	18	.....	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Colorado, general—Continued.				
Douglas County	July 1-Dec. 31	5		
Fremont County	July 1-Dec. 31	1		
Garfield County	Mar. 1-31	3		
Huerfano County	July 1-Mar. 31	12		
Larimer County	July 1-Dec. 31	1		
Las Animas County	Mar. 1-31	5		
Logan County	Mar. 1-31	3		
Mesa County	Mar. 1-31	2		
Morgan County	July 1-Mar. 31	13		
Phillips County	July 1-Dec. 31	4		
Pueblo County	Mar. 1-31	38		
Weld County	July 1-Mar. 31	20		
Total for State		190		
District of Columbia:				
Washington	Dec. 28-May 29	13		
Total for District		13		
Florida:				
Pensacola	May 1-31		1	
Total for State			1	
Georgia:				
Bibb County—				
Macon	Mar. 14-June 6	43		
Cobb County	Jan. 16-Feb. 7	8		
Fulton County—				
Atlanta	Jan. 15-May 21	62		And vicinity.
Muscogee County—				
Columbus	June 6-12		1	
Paulding County	Jan. 16-Feb. 7	15		
Total for State		128	1	
Illinois:				
Alexander County—				
Cairo	Jan. 7-Mar. 31	233		
Delta	Feb. 1-28	40		
Fayville	Feb. 1-28			Present.
Thebes	Jan. 1-Feb. 28	6		
Bureau County—				
Ladd	Nov. 1-30	4		
Carroll County—				
Savanna	Feb. 1-Mar. 31	3		
Cass County	Feb. 1-Mar. 31	4		
Champaign County	Mar. 1-31	1		
Christian County—				
Edinburg	Feb. 1-Mar. 28	27		
Taylorville	Aug. 1-Mar. 31	55		
Clinton County—				
Boulder	Feb. 1-28	1		
Carlyle	Jan. 1-31	1		
Coles County—				
Charleston	Jan. 1-30	1		
Cook County—				
Chicago	Jan. 3-May 29	13	1	
Fayette County	Mar. 1-31	3		
Franklin County—				
West Frankfort	Dec. 12-Feb. 13	15		
Fulton County—				
Canton	Jan. 1-Feb. 28	55		
Cuba	Jan. 1-31	1		
Farmington	Mar. 1-31	25		
Lewiston	Jan. 1-Mar. 31	26		
Norris	Feb. 1-Mar. 31	19		
Jackson County	Feb. 1-21	2		
Murphysboro	Jan. 1-Mar. 31	70	1	
Jasper County	Jan. 1-31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1-31	1		
Jo Daviess County—				
Galena	Jan. 1-31	3		
Kane County—				
St. Charles	Jan. 1-Mar. 31	2		
Kankakee County—				
Grant Park	Jan. 1-31	1		
Knox County—				
Galesburg	Feb. 14-May 15	11		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Lake County	Mar. 1-31	1		
Waukegan	Feb. 2-26	3		
Livingston County	Feb. 1-28	3		
McLean County—				
Bloomington	Jan. 1-Mar. 31	14		
Macon County	Feb. 1-Mar. 31	7		
Decatur	Jan. 1-Mar. 31	20		
Macoupin County		21		
Benld	Feb. 15-18	2		
Palmyra	Dec. 25-Jan. 20	4		
Scottsville	Dec. 25-Jan. 20	12		
Madison County—				
Alton	May 1-Apr. 30	3		
Marion County—				
Centralia	July 1-Jan. 20	53		
Kinmundy	Mar. 1-31	2		And vicinity.
Odin	Jan. 1-31	1		
Sandoval	Jan. 1-Mar. 31	3		
Mason County	Jan. 1-Mar. 31	12		Present in Bath, Havana, and Quiver townships.
Massac County—				
Metropolis	Jan. 1-Mar. 31	6		
Mercer County	Jan. 1-31	1		In North Henderson Township.
Montgomery County	Jan. 1-31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5-11	1		
Peoria County—				
Elmwood	Mar. 1-31	2		
Peoria	Dec. 31-May 31	121		Present in Glassford and in Timber and Trivoli townships.
Pope County—				
Eddyville	Feb. 1-28			Present in vicinity.
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-Mar. 31	18		
Mound City	Jan. 1-31	7		Feb. 28, still present.
Randolph County—				
Percy	Jan. 1-Mar. 31	40		
Preston	Mar. 1-31	6		
St. Clair County	Feb. 1-Mar. 31	16		
Belleville	Dec. 4-Feb. 28	15		
Mascoutah	Jan. 1-31	1		
Millstadt	Jan. 1-Feb. 28	2		
Saline County—				
Eldorado	Jan. 1-Feb. 28	4		
Harrisburg	Mar. 1-31	8		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Springfield	Mar. 20-May 28	23		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Stephenson County—				
Freeport	Feb. 1-28	9		
Tazewell County	Jan. 1-Mar. 31			Present in Elm Grove, Green Valley, and Groveland townships.
Pekin	Jan. 1-Mar. 31	53		
Washington	Mar. 1-31	1		
Vermilion County—				
Danville	Jan. 11-May 30	91		
Rankin	Feb. 1-28	1		
Williamson County—				
Bush	Mar. 1-31	6		
Carterville	Jan. 1-Mar. 31	17		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-Mar. 31	19		
Woodford County—				
Roanoke	Mar. 1-31	3		
Total for State		1,341	2	
Indiana:				
Allen County	Dec. 1-Mar. 31	2		
Fort Wayne	Jan. 10-June 5	17		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Mar. 31	5		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-Mar. 31	36		
Cass County	Jan. 1-31	1		
Clay County	Oct. 1-31	8		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Clinton County	Feb. 1-Mar. 31	20		
Dearborn County	Oct. 1-Feb. 28	15		
Decatur County	Jan. 1-Mar. 31	9		
Delaware County	Dec. 1-Jan. 31	61		
Muncie	Mar. 27	1		
Elkhart County	Oct. 1-Mar. 31	20		
Elkhart	Jan. 17-Mar. 6	8		
Floyd County	Feb. 1-28	1		
Fountain County	Feb. 1-28	19		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-Mar. 31	6		
Grant County	Dec. 1-Jan. 31	7		
Union	Feb. 6	5		
Greene County	Jan. 1-31	1		
Hamilton County	Dec. 1-Mar. 31	30		
Harrison County	Dec. 1-Jan. 31	11		
Hendricks County	Nov. 1-Dec. 31	5		
Henry County	Jan. 1-Feb. 28	12		
Howard County	Jan. 7-Feb. 28	9		
Jennings County	Feb. 1-Mar. 31	11		
Johnson County	Feb. 1-Mar. 31	2		
Kosciusko County	Mar. 1-31	11		
Laporte County	Feb. 1-28	6		
Madison County	Oct. 1-Jan. 31	6		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-May 30	10		
Miami County	Dec. 1-Jan. 31	8		
Montgomery County	Feb. 1-28	2		
Noble County	Jan. 1-31	11		
Posey County	Feb. 1-28	3		
Rush County	Dec. 1-Feb. 28	43		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-Feb. 28	3		
St. Joseph County	Dec. 1-Feb. 28	32		
South Bend	Mar. 23-June 5	16		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Feb. 28	91		
Lafayette	Dec. 15-May 3	66	1	
Tipton County	Nov. 1-Jan. 31	4		
Vanderburg County—				
Evansville	Jan. 10-May 15	11		
Vermilion County	Mar. 1-31	4		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-Feb. 28	38		
Warrick County	Feb. 1-28	1		
Wayne County	Nov. 1-Mar. 31	17		
Wells County	Feb. 1-28	58		
White County	Mar. 1-31	14		
Total for State		797	1	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Cedar Rapids	Mar. 1-May 31	18		
Council Bluffs	July 1-May 16	36	2	
Davenport	Apr. 12-May 30	5		
Dubuque	Oct. 1-Jan. 31	87	1	
New Hampton	Feb. 26	8		
Sioux City	Apr. 1-May 31	2		
Total for State		157	5	
Kansas:				
Allen County	Jan. 1-Mar. 31	11		
Atchison County	Mar. 1-31	9		
Atchison	Dec. 20-Mar. 31	6		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Mar. 31	56		
Butler County	Feb. 1-Mar. 31	7		
Chautauqua County	Feb. 1-Mar. 31	19		
Cherokee County	Jan. 1-Mar. 31	30		
Clark County	Mar. 1-31	5		
Crawford County	Jan. 1-Mar. 31	9		
Pittsburg	Nov. 1-Mar. 31	130		
Decatur County	Jan. 1-Mar. 31	12		
Doniphan County	Mar. 1-31	15		
Douglas County	Mar. 1-31	3		
Finney County	Feb. 1-28	2		
Ford County	Jan. 1-Mar. 31	4		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Franklin County	Dec. 1–Mar. 31	4		
Greenwood	Feb. 1–Mar. 31	24		
Harvey County	Nov. 1–Mar. 31	6		
Jackson County	Nov. 1–Mar. 31	106		
Jefferson County	Dec. 1–Mar. 31	23		
Jewell County	Dec. 1–Mar. 31	30		
Labette County—				
Parsons	Jan. 1–Mar. 31	11		
Lane County	Jan. 1–31	4		
Lincoln County	Mar. 1–31	1		
Lyon County	Feb. 1–28	8		
McPherson County	Jan. 1–31	1		
Marion County	Mar. 1–31	1		
Marshall County	Jan. 1–Mar. 31	4		
Mitchell County	Feb. 1–28	2		
Montgomery County	Nov. 1–Mar. 31	20		
Nemaha County	Dec. 1–Feb. 28	3		
Ness County	Mar. 1–31	5		
Osage County	Feb. 1–Mar. 31	39		
Osborne County	Mar. 1–31	4		
Phillips County	Dec. 1–Mar. 31	9		
Pottawatomie County	Nov. 1–Mar. 31	70		
Pratt County	Dec. 1–31	20		
Rawlins County	Mar. 1–31	20		
Reno County	Nov. 1–Jan. 31	4	1	
Republic County	Mar. 1–31	3		
Riley County	Nov. 1–30	2		
Rooks County	Jan. 1–31	3		
Saline County	Nov. 1–Mar. 31	57		
Sedgwick County	Feb. 1–Mar. 31	9		
Wichita	Mar. 7–May 29	37		
Shawnee County	Nov. 1–Mar. 31	120		
Topeka	June 7–Apr. 3	128		
Sheridan County	Dec. 1–Jan. 31	11		
Smith County	Feb. 1–Mar. 31	8		
Stafford County	Dec. 1–31	1		
Sumner County	Nov. 1–Mar. 31	11		
Thomas County	Jan. 1–31	2		
Wallace County	Jan. 1–31	2		
Wabaunsee County	Jan. 1–Mar. 31	8		
Wilson County	Nov. 1–30	5		
Wyandotte County—				
Kansas City	Jan. 3–June 5	84		
Total for State		1,236	1	
Kentucky:				
Anderson County	Oct. 1–Jan. 20	200	1	Including Lawrenceburg.
Berea	Feb. 1–Apr. 2	20		
Covington	Dec. 29–June 12	39		
Fulton	Feb. 1–Mar. 22	27		
Georgetown	Dec. 2–Mar. 4	31		
Henderson	May 1–31	2		Jan. 1–June 30, 1908, 7 cases.
Lexington	Dec. 28–Apr. 5	55		
Newport	July 1–June 6	74	1	Jan. 1–June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24–May 30	57		
Total for State		505	2	
Louisiana:				
Alexandria	Feb. 1–28	9		
Arcadia Parish	Dec. 20–Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20–June 5	65		Mainly imported.
Shreveport	Jan. 1–20	32	1	
Winnfield	Jan. 1–Mar. 24	33		And vicinity.
Total for State		169	1	
Maine:				
Cyr plantation	Oct. 16–24	11		
Frenchville	Nov. 11–Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16–Dec. 12	26		
St. Agatha	Oct. 24–Dec. 26	9		
St. David	Dec. 13–19	1		
Upper Frenchville	Oct. 25–Nov. 11	2		
Van Buren	Oct. 18–May 22	98		
Total for State		149		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Maryland	Mar. 18-21	10		House of Correction, Bridewell.
Baltimore	Jan. 30-Feb. 6	1		
Total for State		11		
Massachusetts:				
Boston	Mar. 14-20	2		
Haverhill	Mar. 14-20	1		
Lawrence	Mar. 7-13	1		
New Bedford	Jan. 30-Mar. 13	3	1	
Northfield	Apr. 1-24	2		
Somerville	May 16-22	1		
Total for State		10	1	
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31	1		
Ingham County—				
Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County—				
Grand Rapids	Jan. 24-June 5	12		
Lapeer County	Dec. 1-31	2		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-May 29	28		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Mar. 27	7		
Wexford County	Dec. 1-31	2		
Total for State		106		
Minnesota, general	Jan. 1-Feb. 28		3	
Anoka County	Jan. 18-Mar. 29	18		
Becker County	Dec. 7-Mar. 8	14		
Beltrame County	Dec. 15-May 24	5		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 30-May 10	22		
Carlton County	Apr. 19-26	2		
Carver County	Dec. 7-May 10	26		
Cass County	Oct. 12-Apr. 26	3		
Chippewa County	Nov. 3-Jan. 4	3		
Chisago County	Apr. 12-19	1		
Clay County	Jan. 25-Mar. 29	2		
Cottonwood County	Oct. 20-26	1		
Crow Wing County	Mar. 1-May 3	6		
Dakota County	Apr. 19-May 17	3		
Dodge County	Nov. 24-Feb. 1	3		
Douglas County	Feb. 22-Mar. 1	1		
Faribault County	Dec. 7-28	2		
Filmore County	Dec. 15-Mar. 13	19		
Freeborn County	Apr. 5-12	1		
Goodhue County	Apr. 19-26	1		
Grant County	Apr. 5-May 3	8		
Hennepin County	Oct. 6-May 3	27		
Minneapolis	Nov. 1-Apr. 30	116		
Houston County	Mar. 29-Apr. 26	7		
Hubbard County	Oct. 19-Apr. 26	64		
Jackson County	Dec. 7-Jan. 18	16		
Kandiyohi County	Dec. 15-Jan. 18	7		
Kittson County	Dec. 15-Jan. 12	2		
Lac qui Parle County	Nov. 2-Jan. 12	7		
Lake County	Mar. 8-May 10	4		
Lesueur County	Jan. 25-Feb. 1	1		
Lyon County	Nov. 16-Jan. 12	3		
McLeod County	Feb. 1-22	6		
Marshall County	Dec. 15-Jan. 12	1		
Meeker County	Apr. 19-26	1		
Millelacs	May 3-10	1		
Morrison County	Nov. 20-Mar. 15	53		
Mower County	Dec. 28-May 17	9		
Murray County	Apr. 26-May 3	1		
Nicollet County	Nov. 16-Mar. 1	57		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Cont'd.				
Nobles County	Feb. 15–May 10	5		
Norman County	Dec. 7–13	5		
Olmsted County	Jan. 18–May 3	9		
Ottertail County	Feb. 15–Apr. 26	5		
Pine County	Feb. 1–Apr. 26	15		
Pipestone County	Dec. 7–Mar. 15	10		
Polk County	Dec. 15–Mar. 27	13		
Ramsey County	Nov. 16–Apr. 19	7		
St. Paul	Nov. 1–Mar. 31	260		
Red Lake County	Dec. 22–Apr. 19	4		
Red Wood County	Jan. 12–Feb. 15	24		
Renville County	Dec. 1–May 3	4		
Rice Caunty	Feb. 8–May 3	28		
Rock County	Jan. 12–May 24	15		
Scott County	Jan. 12–18	1		
St. Louis County	Dec. 15–Apr. 19	10		
Duluth	Nov. 9–June 4	33		
Sibley County	Dec. 7–May 10	42		
Stearns County	Nov. 9–May 10	54		
Steele County	Oct. 20–Jan. 12	11		
Stevens County	Nov. 9–Jan. 12	14		
Swift County	Apr. 5–12	2		
Todd County	Nov. 9–Apr. 21	23		
Traverse County	May 8–Apr. 12	2		
Wabasha County	Nov. 2–May 10	61		
Wadena County	Nov. 2–Apr. 19	43		
Waseka County	Oct. 26–May 10	49		
Washington County	Nov. 24–Feb. 22	2		
Stillwater	Dec. 1–31	3		
Winona County	Dec. 1–7	4		
Winona	Dec. 1–May 24	25		
Wright County	Feb. 15–May 10	6		
Yellow Medicine County	Oct. 20–Jan. 18	2		
Total for State		1,256	3	
Mississippi:				
De Soto County	Nov. 1–Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24–June 5	27		
Kirksville	Nov. 1–Jan. 31	96		
Liberty	Jan. 15–Mar. 11	20		
Neosho	Mar. 15	6		
Rich Hill	Dec. 5–31	4		
St. Joseph	Dec. 1–Apr. 3	2		
St. Louis	Dec. 20–May 29	32		
Springfield	Nov. 1–Feb. 28	3		
Total for State		190		
Montana:				
Beaverhead County	Feb. 1–28	2		
Carbon County	Feb. 1–28	1		
Cascade County	Nov. 1–Mar. 31	14		
Great Falls	Apr. 25–May 1	1		
Choteau County	Jan. 1–Feb. 28	4		
Dawson County	Dec. 31–Apr. 30	33		
Deer Lodge County	Apr. 1–30	3		
Fergus County	Dec. 31–Mar. 31	35		
Flathead County	Nov. 1–Apr. 30	3		
Gallatin County	Nov. 1–Apr. 30	27		
Bozeman	Nov. 1–Mar. 31	19	1	
Granite County	Jan. 1–Mar. 31	7		
Jefferson County	Nov. 1–30	4		
Lewis and Clark County	Mar. 1–31	1		
Madison County	Dec. 1–31	2		
Meagher County	Mar. 1–31	1		
Missoula County	Jan. 1–31	12		
Missoula	Jan. 1–Apr. 30	6	1	
Park County	Jan. 1–Apr. 30	18		
Livingston	Apr. 1–30	7		
Powell County	Jan. 1–Feb. 28	15		
Ravalli County	Nov. 1–Apr. 30	22		
Sanders County	Jan. 1–Feb. 28	11		
Silverbow County	Nov. 1–Apr. 30	40	1	
Butte	Mar. 16–June 3	64		
Yellowstone County	Nov. 1–30	1		
Billings	Jan. 1–Mar. 31	2		
Total for State		355	3	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1-Apr. 30	46		
Polk	Mar. 20-Apr. 23	14		And vicinity.
South Omaha	Dec. 20-Apr. 10	15		
Total for State		76		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
West Lebanon	Jan. 15-Feb. 7	2		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21-May 8	16		
Haddonfield	Mar. 26-27	2		
Hightstown	Mar. 3	1		
Hoboken	June 5	1		
Lodi	Apr. 15	1		
New Brunswick	Mar. 7-May 22	12		
Paterson	Mar. 16-Apr. 2	8		
Perth Amboy	Mar. 4-Apr. 29	30		
Plainfield	Mar. 7-Apr. 10	6		
Trenton	Apr. 25-May 1	2	1	
Woodbridge	Mar. 6-26	1		
Total for State		80	1	
New York, general	Nov. 1-Apr. 30	262	3	Including Amsterdam, Bridgeport, Broome, Cicero, Gardiner, and Middleburg.
Buffalo	Feb. 14-Mar. 20	4		
Little Falls	Apr. 10-May 8	4		
Mohawk Valley				Year 1908. 1 death.
New York	Feb. 21-Apr. 3	6	1	
Niagara Falls	Feb. 7-May 1	2		
Rome	Jan. 1-31	1		
Schenectady	Feb. 7-13	1		
Syracuse	Jan. 9-31	3		
Total for State		283	4	
North Carolina:				
Ashe County	Jan. 1-31	7		
Bertie County	Nov. 1-Feb. 28	3		
Camden County	Jan. 1-Feb. 28	50		
Catawba County	Nov. 1-Dec. 31	4		
Craven County	Feb. 1-28	2		
Currituck County	Nov. 1-Jan. 31	34		Present in February.
Duplin County	Dec. 1-Feb. 28	68		
Edgecombe County	Dec. 1-31	1		
Forsyth County	Feb. 1-28	18		
Harnett County	Feb. 1-28	16		
Johnston County	Nov. 1-Feb. 28	19		
Jones County	Jan. 1-31	3		
Lee County	Feb. 1-28	10		
Lenoir County	Dec. 1-Feb. 28	60		
Lincoln County	Dec. 1-31	1		
Madison County	Jan. 1-Feb. 28	7		
Martin County	Feb. 1-28	9		
Mecklenberg County— Charlotte	May 8-14	1		
Nash County	Jan. 1-Feb. 28	2		
New Hanover County— Wilmington	Jan. 22-Mar. 1	4		Imported.
Pasquotank County	Nov. 1-Feb. 28	129		
Pitt County	Jan. 1-31	2		
Rowan County	Feb. 1-28	1		
Sampson County	Jan. 1-Feb. 28	31		
Scotland County	Jan. 1-31	6		
Warren County	Feb. 1-28	3		
Wayne County	Jan. 1-Feb. 28	27		
Total for State		518		
North Dakota	July 1-Feb. 19	168		
Ward County	Jan. 12-Mar. 31	27		
Sherwood	Jan. 12-Mar. 31	46		
Total for State		241		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ohio, general	June 14-Jan. 2	337		
Ashtabula	Apr. 11-May 29	12		
Cincinnati	Dec. 12-June 4	266	2	
Cleveland	Feb. 28-June 11	7		
Columbus	Dec. 26-May 29	19		
Conneaut	Mar. 1-Apr. 29	3		
Dayton	Jan. 24-Feb. 20	5		
Hillsboro	Apr. 14-June 2	61		
Massillon	May 10-16	1		
Newark		3		Year 1908.
Sandusky	May 9-15	1		
Tiffin	Jan. 3-23	2		
Toledo	May 2-8	1		
Warren	May 2-8	1		
Total for State		719	2	
Oregon:				
Clackamas County	Sept. 1-Feb. 28	6		
Columbia County	Jan. 1-31	6		
Harney County	Sept. 1-30	1		
Hood River County	Jan. 1-31	4		
Jackson County	Oct. 1-Dec. 31	9		
Lane County	Dec. 1-31	10		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Feb. 28	16		
Multnomah County	Dec. 1-31	5		
Portland	Nov. 1-Mar. 31	100		
Polk County	Sept. 1-Feb. 28	14		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-Jan. 31	9		
Wallowa County	Oct. 1-Feb. 28	8		
Washington County	Oct. 1-Feb. 28	39		
Yamhill County	Sept. 1-Feb. 28	19		
Total for State		252		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Castle	Feb. 1-28	2		
New Kingstown	Dec. 29			Present
Philadelphia	Dec. 10-May 21	2		
Pittsburg	Dec. 13-May 22	2		Imported
Prompton	Jan. 2-Feb. 10	3		
Total for State		13		
South Carolina:				
Winnsboro	Feb. 1-28	5		
Yorkville	Mar. 10-Apr. 26	14	8	And vicinity
Total for State		19	8	
South Dakota:				
Aberdeen	May 1-Jan. 31	43		
Total for State		43		
Tennessee:				
Fayette County	Dec. 1-Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28-May 15	39		
Memphis	Jan. 1-Mar. 13	190	1	
Murfreesboro	Mar. 15-31	1		
Nashville	Dec. 20-May 29	49		
Polk County	Jan. 22	30		
Total for State		612	1	
Texas:				
Corpus Christi	Apr. 2			Present.
Cost	Oct. 1-Dec. 19			Do.
Cotulla	Jan. 25-Feb. 17			Do.
Denton County	Jan. 1-Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10-Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1-May 31	49	2	
Galveston	Mar. 6-May 28	9		
Goliad County	Dec. 1-Jan. 20	25		
Hidalgo County	Jan. 30-May 1	16		
Houston	Jan. 1-Mar. 27	9		
Laredo	Dec. 26-Mar. 19	6		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Texas—Continued.				
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–June 5	119	1	
San Augustine County	Jan. 5			Do.
Waco	May 21	4		Imported.
Total for State		522	4	
Utah:				
Beaver County	Feb. 1–28	2		
Carbon County	Feb. 1–28	1		
Cache County	Jan. 1–Apr. 30	77		
Davis County	Nov. 1–Apr. 30	40		
Emery County	Feb. 1–28	4		
Garfield County	Dec. 1–Apr. 30	48		
Millard County	Jan. 1–Mar. 31	9		
Salt Lake County	Dec. 1–Mar. 31	170		
Salt Lake City	Dec. 1–May 31	427	1	
Sanpete County	Dec. 1–Apr. 30	6		
Sevier County	Jan. 1–Mar. 31	88		
Summit County	Dec. 1–Apr. 30	33		
Tooele County	Apr. 1–30	3		
Utah County	Dec. 1–Apr. 30	5		
Weber County	Nov. 1–Feb. 28	26		
Total for State		939	1	
Vermont:				
Brattleboro	Dec. 5–Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor Township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lithia	Mar. 1–Apr. 28	100		And vicinity.
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Portsmouth	Apr. 21–May 25	7	2	
Richmond	Mar. 14–June 5	8	1	Death in county hospital.
Total for State		125	3	
Washington:				
Bellingham	Jan. 25–Mar. 23	10		
Camas	Dec. 29–Mar. 8	18		
Colville Indian Reservation	Feb. 15–Apr. 6	118	3	
Seattle	Oct. 1–Mar. 31	30		
Spokane	Dec. 6–June 5	53	1	
Tacoma	Dec. 14–June 6	73		
Walla-Walla	June 5	1		
Total for State		303	4	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville	Jan. 1–31			Present.
St. Albans	Feb. 16–Apr. 12	19		
Weston	Jan. 15–Feb. 13	1		
Wheeling	May 9–June 5	4		
Total for State		25		
Wisconsin:				
Adams County	July 1–Sept. 30	3		
Ashland County	Oct. 1–Dec. 31	4		
Barron County	July 1–Dec. 31	41		
Buffalo County	Oct. 1–Dec. 31	1		
Chippewa County	July 1–Dec. 31	28		
Columbia County	Oct. 1–31	18		
Dane County	July 1–Sept. 30	1		
Dodge County	July 1–Sept. 30	1		
Douglas County	July 1–Dec. 31	49		
Superior	Apr. 25–May 1	3		
Dunn County	July 1–Dec. 31	4		
Fond du Lac County	July 1–Dec. 31	6		
Green County	July 1–Dec. 31	4		
Iron County	July 1–Sept. 30	2		
Juneau County	Oct. 1–Dec. 31	2		
Kewaunee County	July 1–Sept. 30	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin—Continued.				
La Crosse County—				
La Crosse	Dec. 13–June 5	51		
La Fayette County	Oct. 1–Dec. 31	1		
Manitowoc County	Oct. 1–Dec. 31	33		
Manitowoc	Dec. 13–Feb. 27	14		
Marathon County	July 1–Sept. 30	2		
Marinette County—				
Marinette	May 23–June 12	2		
Milwaukee County—				
Milwaukee	Dec. 6–May 29	199		
Monroe County	July 1–Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6–Apr. 17	3		
Ozaukee County	July 1–Sept. 30	3		
Pierce County	July 1–Dec. 31	37		
Polk County	July 1–Dec. 31	4		
Racine County	Oct. 1–Dec. 31	1		
Racine	Mar. 21–Apr. 10	6		
Richland County	Oct. 1–Dec. 31	1		
Rusk County	July 1–Sept. 30	3		
Sheboygan County	July 1–Dec. 31	123		
St. Croix County	Oct. 1–Dec. 31	12		
Vernon County	Oct. 1–Dec. 31	6		
Total for State		681		
Grand total for the United States		12,656	58	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa.	June 5	38,973	15	4				4		1		3			
Ann Arbor, Mich.	do	14,509	9		1							9		3	
Appleton, Wis.	do	15,085	3					2		1		4			
Ashtabula, Ohio	do	12,949	6					1		1					
Atchison, Kans.	May 8	15,722	6							3	1				
Do	May 15	15,722	9	1	1			5	1						
Do	May 22	15,722	3			2		4							
Do	May 29	15,722	6					2							
Auburn, N. Y.	do	30,345	6	1	2										
Do	June 5	30,345	9	1				1						11	
Baltimore, Md.	do	508,957	185	18	28	12		6		14	2	87	3	15	
Bath, Me.	do	10,477										10			
Bayonne, N. J.	do	32,722						1		2		3			
Beaver Falls, Pa.	do	13,000		1								2			
Berkeley, Cal.	May 29	13,214	7		2			2		2		1		1	
Biddeford, Me.	June 1	16,145	14												
Boston, Mass.	June 5	560,892	178	47	15	4		32	1	47	3	82		11	2
Braddock, Pa.	May 29	15,654	4	1	1	2		2		2					
Do	June 5	15,654	3		1	1		2		2					
Bradford, Pa.	do	15,029	1					3				1			
Bridgeport, Conn.	do	70,996	23		3		1	6		2		5	1		
Brockton, Mass.	do	40,063	13	2	1			3		2		9		1	
Butler, Pa.	May 19	10,853	6		1										
Do	May 26	10,853	3	1				1							
Do	June 2	10,853	8												
Butte, Mont.	June 3	30,470	11			1		7	1			3			
Cambridge, Mass.	June 5	91,886	35	8	9			3		4	1	20		5	
Camden, N. J.	do	75,935	31	1	1			5		4	2				
Carbondale, Pa.	do	13,536	3							2		2			
Charlotte, N. C.	June 4	18,091	7			3						3	1		
Chelsea, Mass.	June 5	34,072	7					1		1		3			
Chicago, Ill.	do	1,698,575	573	68	87	21	3	104	4	68	7	476	6	51	3

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Chicopee, Mass	June 5	19,167	7	2						1		1			
Cincinnati, Ohio	June 4	325,902	102	14	10	1	1	3		7		13		5	
Cleveland, Ohio	do	381,768	123	19	14	2	4	10		10		162	1	11	
Clinton, Mass	June 5	13,667	1							2					
Columbus, Ga	do	17,614	12		1										
Columbus, Ohio	do	125,560	61	7	3	3		1				23			
Concord, N. H	May 29	19,632	9	1	1			7				38			
Council Bluffs, Iowa	June 7	25,802	7							1		1			
Covington, Ky	June 5	42,938	12		4	1				1		1			
Danville, Ill	June 6	16,534	4					1		1		1			
Davenport, Iowa	do	35,254						2		1		1			
Dayton, Ohio	June 5	85,333	33		2		1	1		2		44	1		
Detroit, Mich.[a]	May 5	285,704	145					10	2	9	2				
Do	May 29	285,704	139					10		10	2				
Duluth, Minn	June 4	80,000	28	3	3		1	50	1	7	1	20	1		
El Paso, Tex	June 1	15,905	26	3	6			7	3						
Do	June 8	15,905	16	2	3							7			
Elkhart, Ind	June 5	15,184	3					1							
Evansville, Ind	do	59,007	25	1	2	4	1			3	1	2			
Everett, Mass	do	24,336	11	2	2	2		3		1	1	2			
Fall River, Mass	do	104,893	35	13	4	2	3	5		4		2		1	
Findlay, Ohio	do	17,613	6												
Fort Wayne, Ind	May 29	45,115	16	2	2			1		1		8			
Do	June 5	45,115	10	2	2			2		2		10			
Galesburg, Ill	do	18,607	6					1		7					
Galveston, Tex	June 4	37,789	10		2					1					
Gloucester, Mass	June 5	26,121	3												
Grand Rapids, Mich	do	87,565	25	4	2	1		13		1		1		2	
Greensboro, N. C	do	10,035	13		2		1								
Greenville, S. C	May 29	11,860	1									2			
Do	June 5	11,860	2					1							
Harrison, N. J	do	10,596	3	1											
Hartford, Conn	May 30	79,850	22	4	1	3		5		5		2			
Do	June 6	79,850	26	1	3			3		3					
Haverhill, Mass	June 5	37,175	6	4	1	1		2		4	1	17			
Hoboken, N. J	do	59,364						4	1	3		3			
Homestead, Pa	May 28	12,554	8	10		1						10			
Hyde Park, Mass	June 5	13,244	3							2		1		2	
Indianapolis, Ind	June 6	169,164	44		4	2		9				71			
Jacksonville, Fla	do	28,429	17		2	2									
Jersey City, N. J	do	206,433	68	1				20	5	9	1	11			
Johnstown, Pa	June 5	35,936	18		3	1		15		2		20		8	
Kalamazoo, Mich	do	24,404	18	2								44		7	
Kansas City, Kans	do	51,418	15					2				13			
Kansas City, Mo	do	163,752	58		5	2		14	1	8	1	26		5	
Kearny, N. J	do	10,896	4					4	1						
Knoxville, Tenn	do	32,637	26	4	4	1	1			1		7			
La Crosse, Wis	do	28,895	11		1										
La Fayette, Ind	June 7	18,116	3		1							1			
Lancaster, Pa	June 5	41,459	8	40		1		6		3		18			
Lawrence, Mass	do	62,559	25	2	8	9	1			4	2	40			
Lebanon, Pa	do	17,628			1	1		1		1		1			
Lexington, Ky	do	26,369	3		2			2							
Los Angeles, Cal	May 29	102,479	76	9	11	1		11		4		5			
Lowell, Mass	June 5	94,969	40	1	3	3		2		4		7			
Lynn, Mass	May 29	68,513	22			1		9		4		2			4
Do	June 5	68,513			2	2	2	5		4	1				
Macon, Ga	June 6	22,746	5	1	1										
Manchester, N. H	June 5	56,987	29	3	3			3		1		12			
Marinette, Wis	May 29	16,195	4					1							
Do	June 5	16,195	5	2	2			8							
Marlboro, Mass	May 29	13,609	5												
Do	June 5	13,609	4												
Medford, Mass	do	18,244	9		1					2		1			
Melrose, Mass	May 29	12,962	8	1								3			
Do	June 5	12,962	2							1		1			
Milwaukee, Wis	May 29	285,315	103	14	3	13	2	23	11	18	3	65			
Do	June 5	285,315	92	11	7	10	2	22	5	12	1	71	5	3	
Montclair, N. J	do	13,962	4	2	1			2							
Montgomery, Ala	June 4	30,346	17		2										
Moline, Ill	June 6	17,248	7					4							

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Morristown, N. J.	May 29	13,000	4									5			
Do	June 5	13,000	2	1	1							12			
Mount Vernon, N. Y.	do	21,228	4												
Muncie, Ind	do	20,942	2					2						2	
Nanticoke, Pa	June 6	12,616	3	2								20			
Nashville, Tenn	June 5	80,865	50	7	4	3									
Nebraska City, Nebr.	May 29	7,200										15			
Do	June 5	7,200	3									12			
Newark, N. J	do	246,070	105		24	3	2	37	2	22	1				
New Bedford, Mass	do	63,442	25	4	3	2		5				7			1
Newburyport, Mass	do	14,478	5												
New Orleans, La	do	278,104	127	20	16	9		36	1	7	1	2			
Newport, Ky	May 30	28,301	4							1					
Do	June 6	28,301	13		1										
Newton, Mass	June 5	33,587	8	1				2		2		35			
New York, N. Y	do	3,437,202	1,405	400	193	44	7	274	19	371	30	1,458	30	66	10
Niagara Falls, N. Y	do	19,457	7		1	3	1	3		1		4			
Norristown, Pa	May 22	22,265	11	1	3							6			
Do	May 29	22,265	8	1	1		1	1		1		1			
Do	June 5	22,265	5	2	1							7	1		
North Adams, Mass	do	24,200	7					1				1			
Northampton, Mass	do	18,643	3									2			
Oakland, Cal	May 31	66,960	30	2	4			4	1	2		4			
Orange, N. J	June 5	24,141	5	2	2			6				2			
Paducah, Ky	May 30	19,446	6	3	1										
Do	June 5	19,446	3	4	1							1			
Peekskill, N. Y	do	10,358	6							1		12			
Philadelphia, Pa	May 29	1,293,697	442	91	70	43	8	53	3	70	10	232	10	25	3
Do	June 5	1,293,697	437	98	69	40	7	52	2	68	10	234	5	37	3
Pittsburg, Pa	do	321,616	159	29	11	8	1	16		51	2	13	1	34	7
Pittsfield, Mass	do	21,766	9									3			
Plainfield, N. J	do	15,369	8			1		1		1					
Plymouth, Pa	do	13,649										1			
Portsmouth, Va	June 8	17,427	13			1		1							
Pottstown, Pa	June 5	13,696	5							1		2			
Providence, R. I	do	175,597	45	1	8			5		9		13	1		
Racine, Wis	June 4	29,102	5	1	1										
Reading, Pa	June 7	78,961	22	1	4	4		1		4	1	6		1	
Richmond, Va	May 29	85,050	49	2	3	2									
Do	June 5	85,050	52	7	4	9		1		1				2	
Rockford, Ill	do	31,051								3					
Rock Island, Ill	do	19,493	6							1					
Sacramento, Cal	May 29	29,282	19		3					1		11			
Do	June 5	29,282	10		1					1		3			
St. Joseph, Mo	May 15	102,979	15		1	1		1		1		5			
Do	May 22	102,979	20		2			6				2			
Do	May 29	102,979	12		2			2				10			
St. Louis, Mo	June 5	575,238	174	42	17	4		27	2	17	1	318	4	6	
Salem, Mass	do	35,956	10	1	2							1			
San Antonio, Tex	do	53,321				1				1					
San Francisco, Cal	May 29	342,782	116	20	10	2		10		15	2	45		18	
Schenectady, N. Y	June 5	31,682	14	1	3			1		1		1			
Somerville, Mass	do	61,643	20	2	2			9		4	1	20			
South Bend, Ind	do	35,999		10	2	2		4		1		1			
South Bethlehem, Pa.[a]	do	13,241	2									15		1	
Spokane, Wash	May 29	38,848	26	1	1	1		34		6		19			
Springfield, Mass	June 5	62,059	27	1	4			3	1	8	1	12			
Springfield, Ohio	do	38,253	5	4	1										
Steelton, Pa	do	12,068	2		1			1				9			
Superior, Wis	do	31,091	7					8		1					
Tacoma, Wash	May 30	37,714	13		2			3		3		7			
Taunton, Mass	June 5	31,036	12	1	2	1		2				15			
Terre Haute, Ind	do	36,673	19		2			1							
Titusville, Pa	do	8,244	1			1				1					
Trenton, N. J	do	73,307		1		11		7		1					
Walla Walla, Wash	do	10,049	4												
Waltham, Mass	do	23,481	6	1	2			2		1		8		1	
Warren, Pa	May 31	8,043	4	2	1							2			
Washington, D. C	June 5	278,718	107	20	10	14	1	12		6	1	21	1	16	2
Weymouth, Mass	do	11,324	4									2			
Wheeling, W. Va	do	38,878	10	2	1	2	1			2		7			

[a] Report covers 4 days.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Wilkes-Barre, Pa.	June 4	51,721	18	1	1			3		3		30			
Wilkinsburg, Pa.	June 7	13,000	3					2							
Williamsport, Pa.	May 29	28,757	2			1		2				3			
Do	June 5	28,757	7					9							
Wilmington, Del.	do	76,508	30		4										
Winona, Minn.	June 8	19,714	9												
Woburn, Mass.	June 5	14,254	2		1										
Yonkers, N. Y.	May 20	47,931	16		2			17		3	1	7			
Do	May 27	47,931	25		4			20		4		14			
Do	June 3	47,931	16					12		4		4			
York, Pa.	June 5	33,708		1		2		2				2			
Zanesville, Ohio	do	23,538	10			3				2					

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FOREIGN AND INSULAR.

AUSTRALIA.

Examination of rats for plague infection in Queensland—Plague rat found at Mackay.

The following information is taken from plague bulletins issued by the department of health of Queensland:

Brisbane.—Week ended April 17. Number of rodents destroyed, 462; examined, 366; found infected, 0. Week ended April 24. Number of rodents destroyed, 725; examined, 317; found infected, 0. Week ended May 1. Number of rodents destroyed, 795; examined, 627; found infected, 0.

Date of finding of last plague-infected rat September, 15, 1909.

Mackay.—One plague-infected rat found April 15, 1909.

BARBADOS.

Reports from Bridgetown—Inspection and fumigation of vessels—Status of yellow fever in the island—Sanitary conditions.

Acting Assistant Surgeon Urquhart reports, May 22 and 28:

Week ended May 22. Bills of health issued to 7 vessels, of which number 3 were fumigated Thirty-eight passengers and 242 members of crews were inspected.

One case of yellow fever has been reported since May 15. This case is in the interior, in St. Joseph's parish, about 14 miles north of this port, and is a negro. The locality of the case is in the part of the island where by far the largest number of cases have occurred since the outbreak in December, 1908. The health and sanitary conditions of this port are very good. The sanitary regulations passed since the present outbreak of fever have been stringently enforced.

Week ended May 29. Bills of health were issued to 9 vessels. Two vessels were fumigated. Twenty passengers and 336 members of crews were inspected.

Two new cases of yellow fever were reported during the week, both being in St. Joseph's parish, about 15 miles northeast of this port, where so many of the cases have occurred during the present outbreak. Both cases were negroes.

No case of yellow fever has occurred at this port since March 19.

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BRAZIL.

Reports from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox—History of case of yellow fever previously reported—Smallpox epidemic in Chilean coast cities.

Acting Assistant Surgeon Stewart reports, May 10 and 20:

Two weeks ended May 8. Vessels inspected and received bills of health: April 29, the British steamship *Torrhead*, in water ballast for Tampa, Fla., with no passengers and no change in the crew personnel; April 30, the British steamship *Celtic Princess*, for New York, with coffee cargo, no passengers, and no change in the crew personnel; May 1, the British steamship *Tennyson*, for New York, with cargo of coffee, 25 cabin, and 36 steerage passengers, and no change in the personnel of the crew; May 4, the British steamship *Hillglade*, for some southern port via West Indies for disinfection and final orders, in water ballast, with no passengers and no change in the crew personnel; on the same date the British steamship *Desterro*, for New York, in cargo of coffee, with 7 cabin and 28 steerage passengers, and with no change in the personnel of the crew; May 7, the British steamship *Tapajos*, for New Orleans and New York, with coffee cargo, with no passengers and with no change in the crew personnel, and on the same date the British steamship *Raymore Head*, for some southern port via the West Indies for disinfection and final orders, in water ballast, with no passengers and 1 new member of the crew signed on in this port. No other vessel left this port during the period under report for United States ports.

Week ended May 15. Vessel inspected and received bill of health: May 10, the British steamship *Cavour* for New York, with cargo of coffee, no passengers, and no change in the crew.

No other vessel left this port for the United States during the period under report.

Mortality in Rio de Janeiro—Plague and smallpox.

Week ended May 2, 1909. Total estimated population, 811,443. Total deaths, 236. No deaths nor cases due to yellow fever or plague. Smallpox caused 3 deaths with 4 new reported cases. At the close of the week there were in the hospital São Sebastião, 1 case of yellow fever, carried forward from the previous week, 24 cases of smallpox, and 1 of plague under treatment.

Week ended May 9. Total deaths, 278. Smallpox caused 2 deaths. There were no cases of yellow fever reported. There were twelve new cases of smallpox reported, and 1 case of plague. At the close of the week there were in the hospital São Sebastião 29 cases of smallpox and 1 case of plague under treatment.

Week ended May 16. Total deaths, 245. No deaths nor cases reported due to either yellow fever or bubonic plague. Smallpox caused 6 deaths with 18 new reported cases. At the close of the week there were in the hospital São Sebastião 18 cases of smallpox under treatment, and 1 case of plague.

The case of yellow fever reported for the week ended May 2 as remaining in hospital (see Public Health Reports, May 28, 1909, p. 741) was in the person of a man who had been a resident of this

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city for 4 months; nationality, Portuguese. The source of the infection has not been discovered.

Smallpox in Chilean coast cities.—Under date of April 28 the press reports that the minister of the interior of Chile has issued a call for all the physicians of the large cities of Chile for the purpose of discussing the best means of combating the rapid spread of smallpox in Santiago and other coast cities. A dispatch of May 9 states that the first result of this congress is the order closing all schools, public and private, in the country.

CANADA.

Report from St. John, New Brunswick—Legislation relative to combat against tuberculosis.

Consul Willrich reports May 4:

A bill has lately been enacted creating a commission to consider the best means of checking the spread of tuberculosis. The work of the commission will be first to inaugurate a vigorous campaign of education among the people, and subsequently to take such steps as may be found most conducive to checking the spread of the disease. The commission will be expected to see that proper municipal regulations are enacted and enforced to bring home to the people the dangerous nature of the spitting habit. To this end, the executive of the New Brunswick Association for the Prevention of Tuberculosis will first direct attention to perfecting organizations throughout the province by appointing vice-presidents in each county, who in their turn are expected to organize county associations. In other words, the provincial body is to be educational and advisory and the county organizations are to carry on the actual fight against the disease. There will be an annual meeting of these bodies, at which the progress made will be reported and plans for the continuous work mapped out. The New Brunswick association will also carry on its work in conjunction with the Canadian association, now active in the same cause.

It is generally realized in New Brunswick and the Dominion at large that the most energetic measures are required to combat the ravages of tuberculosis. According to estimates, in St. John alone over 100 persons and in this Province over 600 persons annually succumb to this disease, causing a loss, on the accepted basis of the economic value of a human life, of over $600,000 per annum to this Province.

[Inclosure.]

AN ACT To assist in the prevention and cure of tuberculosis.

Whereas until a comparatively recent date tuberculosis, or consumption, as it is commonly called, was regarded as generally hereditary and incurable, but that modern discoveries have established that it is a communicable disease and to a large extent curable as well as preventable, and that since such discoveries a movement has been made in civilized countries with the view of adopting the best measures for suppressing the said disease;

And whereas, to show the widespread and fatal nature of this disease it is estimated upon the best authority available that there are in the Dominion of Canada consumptive invalids numbering at least 40,000 persons, of whom over 8,000 die annually, and aside from the humanitarian considerations involved in the question, the financial loss alone entailed upon Canada by such a large annual mortality is estimated at over $8,000,000, and there is reason to believe that in respect to the ravages of this dread

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scourge our own province suffers equally with the other provinces of the Dominion according to population;

And whereas, in view of the foregoing facts it would seem to be the duty of the province to assist in the movement now being made to lessen the widespread suffering and great mortality among the people caused by the various forms of tuberculosis, and to do so intelligently the government should be possessed of reliable and accurate information upon the subject;

Be it therefore enacted by the lieutenant-governor and legislative assembly as follows:

1. The lieutenant-governor in council is hereby empowered to appoint a commission to consist of not more than seven persons, who shall serve without remuneration, other than the payment of actual expenses, to inquire into and report upon the best methods to be adopted to prevent and cure tuberculosis, commonly called "consumption," in this province.

2. The said commission shall embody the result of its investigations, together with such recommendations as it may be pleased to make in the matter, in a report in writing and present the same to the lieutenant-governor in council.

3. The lieutenant-governor in council, upon the receipt of the report of the said commission, is hereby empowered to authorize the expenditure of a sum not exceeding $15,000 for the purpose of defraying the expenses and carrying into effect the recommendations of the said commission, if deemed advisable, or in taking such measures for the prevention and cure of tuberculosis in this province as seems best calculated to effect that object.

4. The lieutenant-governor in council is hereby authorized to raise the moneys necessary to meet such expenditure by way of loan, and the provisions of "An act respecting the raising of loans authorized by the legislature" shall apply in respect thereto.

CHINA.

Report from Amoy—Inspection of vessels—Increase of plague—Leprosy—Plague at Am Phau.

Passed Assistant Surgeon Foster reports, May 5:

During the week ended May 1, bills of health were issued to 2 steamships. April 27, the British steamship *Sungkiang* with 62 in the crew, and 56 cabin passengers for Cebu and Iloilo was granted a supplemental bill of health. Four Chinese passengers were rejected for trachoma. May 1, the British steamship *Loongsang* with 55 in the crew, 58 cabin and 58 steerage passengers for Manila, was granted a supplemental bill of health. One steerage passenger was rejected for trachoma.

Leprosy and plague are present in the port of Amoy. With the advent of hot weather there has been a marked increase in plague. During the period April 15 to 30 the number of cases of plague was estimated to be 250, with a mortality of 50.

In the village of Am Phau adjacent to the city of Amoy there were 5 cases of plague with 3 deaths during the week ended May 1.

Reports from Shanghai—Inspection of vessels—Plague in rats—Smallpox and typhus fever at Tientsin—Relapsing fever at Hankau.

Acting Assistant Surgeon Ransom reports, May 8 and 11:

Week ended May 1. One original and one supplemental bill of health were issued to 2 steamships having an aggregate personnel of 341. There were inspected 1 vessel with 74 members of crew and 2 cabin passengers and 1 steerage passenger. There were disinfected 114 pieces of personal baggage belonging to the crew. Sixty-five Asiatics were bathed. The forecastle of 1 vessel was thoroughly cleansed. Manifests were viséed for 2,690 pieces of freight.

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Reports from Tientsin for the period ended April 17 show 1 death from typhus fever, the British concession only reporting.

Reports from Hankau for the week ended April 24 state that relapsing fever is present among coolies in that city.

Week ended May 8. One original and 2 supplemental bills of health granted to 3 steamships having an aggregate personnel of 1,090. There were inspected 2 vessels, 180 members of crews, and 7 steerage passengers, and there were bathed 60 members of crews. Their effects, numbering 189 pieces of baggage, were disinfected by steam. There were also disinfected by steam and formalin 4 pieces of personal effects shipped as freight. The forecastle of 1 vessel was rendered mechanically clean.

The last report shows that 345 rats found dead were examined at the laboratory, of which 4 were found to be infected. One infected rat was found in the eastern and 3 infected rats were found in the northern district of the settlement. The rats caught numbered 899 and the traps in operation 4,670. The rats caught in traps were destroyed without being examined for plague. No houses were rat-proofed and no persons were inoculated against plague during the period.

Reports from Tientsin for the period ended April 24 show 7 cases of smallpox. The reports were from the British, French, and Japanese concessions.

Reports from Hankau for the period ended May 1 show relapsing fever among coolies.

CUBA.

Report from Cienfuegos—Inspection of vessels—Sanitary conditions.

Acting Assistant Surgeon Suarez reports, May 31:

Week ended May 29.

Vessels inspected	8
Bills of health issued	8
Members of crews inspected	291

The sanitary condition of the city and port is satisfactory. No quarantinable disease has been reported.

Reports from Habana—Inspection of vessels—Few Stegomyia present—Work of mosquito brigade.

Passed Assistant Surgeon Amesse reports, June 2 and 8:

Week ended May 29.

Bills of health issued	27
Vessels inspected	19
Members of crews of outgoing vessels inspected	1,204
Passengers of outgoing vessels inspected	997
Vaccination certificates issued	22

Breeding places of mosquitoes are more numerous, the wet season being now established. *Stegomyia* are scarce.

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Week ended June 5.

Bills of health issued	25
Vessels inspected	23
Members of crews of outgoing vessels inspected	989
Passengers of outgoing vessels inspected	705

For the week ended May 29 the mosquito brigade reports 20,000 house inspections; 72 deposits contained larvæ, of which 24 were collections of *Stegomyia*.

The weather continues unusually warm, with heavy rains in the interior.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, June 8:

Week ended June 5. Three bills of health were granted to vessels clearing for United States ports in good sanitary condition.

No quarantinable diseases were reported.

Report from Santiago—Inspection of vessels—Leprosy.

Acting Assistant Surgeon Wilson reports, June 2:

Week ended May 29. Bills of health issued to 4 vessels bound for the United States. No vessel was fumigated. No quarantinable disease has been reported. Cases of infectious diseases reported during the week were tuberculosis, 2. Three cases of leprosy, previously reported, are still present.

GREAT BRITAIN.

Report from Hull—Plague among dock rats in February and March, 1909.

The following report by the medical officer of health of Hull, on plague in rats, dated April 14, is forwarded by Consul Ham under date of May 22:

On February 25 a representative of the North Eastern Railway and Dock Company reported that a number of dead rats had been discovered in a shed at the Albert dock.

An immediate investigation was made, resulting in the finding of 29 rats, recently dead, behind a number of bags containing maize, which had been landed per lighter from the steamship *Mikado*, which arrived at Hull from Odessa October 23, 1908, and which was medically inspected, the crew being found all well. The vessel's bill of health, dated October 3, 1908, stated that in Odessa and immediate neighborhood 20 cases of cholera had been established up to that date, 16 of which had died. It was further ascertained that a cat had been found dead in the shed referred to about two months previously, and since that discovery, and prior to February 25, about 20 dead rats had been discovered, 1 or 2 at a time. The cat had been thrown into the River Humber.

In all, 87 rats were found dead, or trapped alive.

The 29 rats collected February 25 were carefully packed, with due precautions, in properly sealed tin boxes and conveyed to the sanatorium for bacteriological examination.

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The examination confirmed the suspicions entertained, as did also a subsequent examination of the rats forwarded on February 26 and 27.

The report of bacteriological examination showed that the rats exhibited no external signs of decomposition and had live fleas on them. The glands were not palpable externally, but on dissection the inguinal and axillary glands were found somewhat enlarged, but not showing any hemorrhage. In each case the spleen was much enlarged. The liver and other organs also showed signs of congestion.

Smears from the spleen and glands showed bacilli resembling *Bacillus pestis*. Cultures on blood serum were made, from which bacilli presenting all the characteristics—microscopical, staining, and cultural—of *Bacillus pestis* were obtained.

Examination of rats found March 2, 3, and 12 gave similar results.

The names and addresses of the men engaged in the warehouse were taken, and a daily medical inspection of such persons, extending over a period of three weeks, was carried out, and only the same men, as far as practicable, were employed in the infected shed and adjacent sheds during that period.

A rat catcher was employed to lay traps for the rats.

In addition to the maize, the infected warehouse contained a quantity of pease, onions, and apples in barrels, cases, and hampers, the apples contained in the cases being the articles mostly attacked by the rats. The maize and pease in the bags damaged by rats were screened and rebagged. One hundred empty bags were removed to the disinfecting station and disinfected, and 14 old and damaged bags, together with a quantity of maize, apples, and onions, were destroyed. Special precautions were observed in handling the rats dealt with, iron tongs being used for the purpose. The bodies were dipped in a 20 per cent solution of carbolic acid and afterwards cremated.

The warehouse was subjected to thorough disinfection, all refuse being sprayed with disinfectants, swept up, and destroyed, and the walls and floors sprayed with a 5 per cent solution of carbolic acid.

A circular letter has from time to time been issued to shipowners, warehousemen and others concerned, pointing out that in all the infected towns in India manifestations of contagion from rats to men have been observed, and that the first cases of plague sometimes occurred in warehouses where wheat, cottonseed, or other substances likely to attract rats are stored, and urging that every precaution should be taken for the destruction of rats with a view of preventing the possible spread of disease by the provision of disks and the tarring of mooring ropes while vessels are in port. A list giving the infected and suspicious ports is also periodically circulated, which gives instructions that all persons on board vessels arriving from such districts must be medically examined before being permitted to land.

No increased mortality and no suspicious deaths amongst rats have been observed at the other docks in port.

From December, 1908, to the end of February, 1909, 6 vessels from suspicious and plague-infected districts--namely, Alexandria and Karachi—had discharged cargo on the south side of the dock, where the infected shed is situated.

All vessels arriving from plague and cholera infected ports are medically inspected on arrival, and special inquiries are made as to the discovery of dead rats on board such vessels, but nothing to

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excite suspicion has been reported. No doubtful cases of illness amongst any of the crews or passengers have been discovered.

In connection with the outbreak it is interesting to note that in a former outbreak of plague in Hull, in January, 1901, on the arrival of the steamship *Friary*, from Alexandria, at which port at that time plague was stated not to exist, a stray cat went on board the vessel at Alexandria, evidently sick and ailing. It mixed freely amongst the firemen and sailors, who were those afterwards attacked by plague. The cat was thrown overboard previous to the vessel's arrival in port. Nine members of the crew died from plague.

NOTE.—Plague on steamship *Friary* was reported in Public Health Reports, year 1901, pages 167, 264, 270, 321, 323, 370, 975.

Report from Liverpool—Disinfection of steamship Lanfranc on account of yellow fever en route.

The following is received from the Department of State, under date of June 14:

Consul at Liverpool reports, June 13, that the steamship *Lanfranc* arrived at Liverpool June 3, without any sickness on board, and with no developments on board since 4 deaths occurred from yellow fever prior to the arrival of the vessel at Lisbon. The vessel was disinfected several times during the voyage, but was not quarantined at Liverpool. Officially disinfected and given clean bill of health by port authorities. Sails June 15 for Manaos, Brazil.

NOTE.—The steamship *Lanfranc* left Para, Brazil, May 18, for Liverpool via Lisbon. (See report from Lisbon, p. 883.)

GUATEMALA.

Report from Puerto Barrios, fruit port—Stegomyia not numerous.

Acting Assistant Surgeon Ames reports:

Week ended May 29. Present officially estimated population, 350. General sanitary condition of this port and the surrounding country during the week, very good. Few *Stegomyia calopus* present.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 25	Chancellor	Mobile	39	0	0
25	Maria Herrera	Habana	64	4	0
26	Belize	Mobile	18	0	0
27	H. T. Inge	New Orleans	33	5	13

Baggage fumigated on board. Temperature taken of all persons.

Report from Guatemala City—Recurrence of smallpox.

Consul Kent reports, May 29:

There are 6 new cases of smallpox in the lazaretto. Smallpox was declared extinct April 25, and the smallpox hospital closed.

(See Public Health Reports, May 28, 1909, p. 746.)

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HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie reports, May 24, through Chief Quarantine Officer Hobdy:

HONOLULU.

Week ended May 22.

Total rats taken	590
Trapped	590
Found dead	0
Examined bacteriologically	487
Plague infected	0
Classification of rats trapped:	
Mus alexandrinus	88
Mus musculus	259
Mus norvegicus	145
Mus rattus	98
Average number of traps set daily	1,474
Rats from Hilo referred to this laboratory for bacteriological diagnosis	0
Rats from Hilo still under investigation	0
Rats from Hilo proved to be plague infected during week	0

HONDURAS.

Reports from Ceiba, fruit port—Stegomyia present—No improvement in method of sanitary work.

Acting Assistant Surgeon Jumel reports:

Week ended June 2. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good. *Stegomyia calopus* present. Lax methods in applied sanitary work continue.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
May 27	Concord	4	0	0	0
27	Navigator	19	1	0	0
29	Bluefields	23	1	0	0
30	Harald	20	0	0	0
30	Rosina	33	5	0	0
June 2	Schooner Carib II	7	0	3	0

Temperature of all persons on above-named vessels, sailing vessels excepted, taken at time of clearance.

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

Week ended May 29. Present officially estimated population, about 1,500. General sanitary condition of this port and the surrounding country during the week, good.

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Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 26	Bluefields	New Orleans	23	0	0
26	Harald	Mobile	20	0	0

INDIA.

Report from Calcutta—Transactions of Service—Cholera, plague, and smallpox—Plague in Bengal.

Acting Assistant Surgeon Allan reports May 13:

During the week ended May 8 bill of health was issued to the steamship *Gutenfels*, bound for Philadelphia and New York with a total crew of 70, and to the steamship *Bloemfontein*, bound for Boston and New York with a total crew of 63. The usual precautions were taken—the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

During the week ended May 1 there were 105 deaths from cholera, 127 from plague, and 100 from smallpox in Calcutta.

In Bengal during the same week there were 268 cases of plague, with 212 deaths.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, May 24:

Vessels inspected at Naples and Palermo, week ended May 22

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
May 18	Principe di Piemonte	New York	363	40	580
19	Belle of Scotland	Norfolk			
19	Germania	New York	902	120	1,200
19	Finland	do	1,138	180	1,550
20	Campania	do	749	30	520
21	Neckar	do	1,026	130	1,350
21	America	do	1,291	180	1,520
22	Moltke	do	852	150	1,100
	Total		6,321	830	7,820

PALERMO.

May 19	Principe di Piemonte	New York	244	290	90

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Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
May 18	Principe di Piemonte	13		6		2	21
19	Belle of Scotland						
19	Germania	20	1	7	1	9	38
19	Finland	35	3	18	1	14	71
20	Campania	5	2	1	1	1	10
21	Neckar	17	6	16		7	46
21	America	38	4	26		7	75
22	Moltke	32	2	11		8	53
	Total	160	18	85	3	48	314

PALERMO.

May 19	Principe di Piemonte	10		10			20

Smallpox in Naples.—During the week ended May 23, 14 cases of smallpox with 3 deaths reported at the health office of the city of Naples.

Status of smallpox in Italy.—Week ended May 23: Cases: Binasco (Milan) 2; Novara 1; Prato (Florence) 1; Ospitaletto (Avellino) 1; Caserta 8; Venosa (Polenza) 2.

JAPAN.

Report from Yokohama—Emigrants recommended for rejection.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Minnesota*, May 21, for Seattle, recommended for rejection 1; held for observation 6. Per steamship *China*, May 22: For Honolulu, rejected 1; held for observation 2. For San Francisco, held for observation 1. Rejections and detentions were for trachoma.

Report from Kobe—Inspection of vessels—Examination of emigrants.

Acting Assistant Surgeon Knight reports, May 18:

During the week ended May 15, supplemental bill of health was granted to 1 steamship; 492 steerage passengers were inspected; 29 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 67 and of bedding 59. Manifests were viséed for 22,629 pieces of freight, amounting to 1,895 tons.

Emigrants were examined as follows: Steamship *Siberia*, for Honolulu, passed 27; recommended for rejection 19; steamship *Siberia* for San Francisco, passed 2, recommended for rejection 4.

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MEXICO.

Report from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports, June 3:
During the week ended June 2, 4 steamships were inspected.

Report from Mexico City—Yellow fever at Merida.

The following information is received from the acting president of the Superior Board of Health of Mexico, under date of June 7:
Week ended June 5. Two cases of yellow fever were registered at Merida on May 30 and June 2, respectively. The prophylactic measures previously reported are carried out.

Report from Progreso—Inspection and fumigation of vessels—Sanitary conditions—Yellow fever case at Merida.

Acting Assistant Surgeon Harrison reports, May 29:

Period from May 15 to May 29.

Vessels inspected	8
Members of crews	301
Vessels fumigated, included above	5
Passengers from this port for United States	30

Sanitary conditions have been fair, and no quarantinable disease has appeared in Progreso. Drinking water is scarce, no rain of any amount having fallen since April 13. Mosquitoes are not conspicuous. In Merida there was one case of confirmed yellow fever imported from an interior town and isolated in lazaretto of Merida. This case has been discharged.
(See Public Health Reports, June 4, 1909, p. 791.)

Report from Salina Cruz—Fumigation of vessel.

Acting Assistant Surgeon Gochicoa reports, May 31:
During the week ended May 29 one steamship, bound for San Diego, Cal., was fumigated.

Report from Tampico—Inspection and fumigation of vessels—Sanitary conditions—Few mosquitoes.

Acting Assistant Surgeon Stowe reports, June 3:

Week ended June 2.

Vessels inspected and passed	2
Bills of health issued	2
Members of crews of outgoing vessels inspected	46
Passengers of outgoing vessels inspected	2
Vessels fumigated	0

No cases of quarantinable disease occurred during this period.
The hot, dry weather of the past 4 months continues. There are very few mosquitoes.
This port is free from smallpox, although the disease is reported to be still prevalent in the surrounding country.

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Report from Veracruz—Inspection and fumigation of vessels—Smallpox case, imported—Antimosquito work—Quarantine against Mexican coast towns.

Acting Assistant Surgeon Carter reports, May 31:

Week ended May 30.

Bills of health issued	9
Vessels inspected	3
Vessels fumigated	6
Members of crews inspected	403
Passengers inspected	184

No sickness occurred on board these vessels while in the harbor, except one case of malarial fever (intermittent) on steamship *City of Mexico* from Galveston. No contagious diseases were reported for the week, except one new case of smallpox, imported from Yucatan. This case was imported on a steamship, was promptly isolated in the pest house, and died the next day. This case makes 2 cases for the month of May, with 1 death. No new cases have been reported. No cases of yellow fever have been reported. Antimosquito work is still being carried on with fair regularity. Veracruz is maintaining a quarantine against Mexican coast towns, especially Laguna, Laguna de Terminos, and localities on the coast of Yucatan.

PERU.

Report from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Typhus fever imported from interior into Callao and Lima—Plague in Chilean ports.

Acting Assistant Surgeon Gutierrez reports, May 24:

Two weeks ended May 8. During the week ended May 1, 1 steamship was fumigated. She carried an aggregate personnel of 84 members of crew, and 63 cabin and 7 steerage passengers. During the week ended May 8, 3 vessels were fumigated. They carried an aggregate personnel of 152 in the crew, and 77 cabin and 43 steerage passengers.

The following is the latest report received from the Director de Salubridad Pública:

Locality.	Cases, Apr. 16.	New.	Recovered.	Died.	Remaining May 6.
Department of Lima	17	18	15	6	14
Department of Callao	4	4	3	2	3
Department of Libertad	24	2	16	1	9
Department of Lambayeque	27	13	5	8	27
Department of Arequipa	2	3	0	1	4
Department of Cajamarca	18	17	17	14	4

From May 1 to 21, 3 cases of plague occurred at Callao; no cases of smallpox. Several cases of typhus fever have come down from the interior to Callao and Lima.

Bills of health report plague in Chile as follows: Iquique, May 8, 20 cases isolated in the lazaretto, and 14 cases with 6 deaths in the past 2 weeks. Antofagasta, May 1, 5 cases isolated in the lazaretto; Arica, May 13, several cases.

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PORTO RICO.

Report from Ponce—Transactions of service, month of May, 1909.

Acting Assistant Surgeon Ferrer-Torres reports, June 1, through Chief Quarantine Officer Grubbs:

Month of May, 1909.

Vessels inspected	14
Disinfected	1
In quarantine	2
Passengers inspected:	
Incoming	119
In transit	1,031
Immigrants inspected	30
Rejections	0
Members of crews inspected	738
Bills of health issued	30
Passengers detained in quarantine	0

PORTUGAL.

Report from Lisbon—Quarantine of passenger from steamship Lanfranc.

The following is received from the consul-general at Lisbon, through the Department of State, under date of June 14:

Passenger from steamship *Lanfranc* quarantined promptly on other side of the Tagus. Is now convalescent.

(See report from Liverpool, p. 877.)

RUSSIA.

Report from Libau—Status of cholera at St. Petersburg—Examination of emigrants.

Acting Assistant Surgeon De Forest reports, May 28:

Four cases of cholera occurred at St. Petersburg during the week ended May 27; no deaths. There have been no new cases or deaths during the past 5 days.

Three hundred and thirty-four emigrants have been examined for the next steamship which sails June 5. No cases of quarantinable disease were found among them.

ST. LUCIA ISLAND.

Reports from Castries—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Maylie reports, May 10, 17, 25, and 31:

Week ended May 8. Four vessels inspected. Of this number 3 were fumigated.

Week ended May 15. One vessel inspected and fumigated.

Week ended May 22. Two vessels inspected; 1 vessel fumigated.

Week ended May 29. Three vessels inspected.

Sanitary condition of this port and vicinity good.

No quarantinable diseases were reported.

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SIAM.

Report from Bangkok—City declared free from smallpox.

Vice Consul-General Hansen reports, April 28:

The minister of foreign affairs forwards, under date of April 26, a statement from the medical officer of health of Bankok declaring the city free from smallpox.

VENEZUELA.

Reports from Caracas—Status of plague.

The following is received from the Department of State, under date of June 10:

A telegram, dated June 9, has been received from the American minister at Caracas, reporting as follows:

"Two additional cases of plague since last cable; 4 deaths in all."

Measures against plague—Preventive inoculation.

Consular Agent Brewer reports, June 3:

Sanitary inspection of public buildings and private houses is being carried on, and orders have been issued for paving with cement the floors of all stables and similar structures. The burning of garbage is compulsory. To date 3,733 persons have been treated with Haffkine lymph. Rats and mice are being destroyed in great numbers. A special isolation hospital is being constructed.

Consul Manning, at La Guaira, reports, May 30, that no one is allowed to leave Caracas by any route without previous injection with Haffkine's lymph.

Reports from La Guaira—Yellow fever death at Maiquetia—Sanitary work — Examination of rats for plague infection — Preventive inoculation.

Consul Manning reports, May 24 and 30:

May 24. A fatal case of yellow fever occurred at Maiquetia May 24. The house in which the case occurred was fumigated, and the clothing and effects of the inmates were disinfected. There has been no spread of the disease.

Some effort has been made to capture rats for examination for plague infection, but no results have been reported. No quarantinable diseases exist at this port, with the exception of cases of leprosy in the lazaretto. No cases of plague have occurred here during the past month, and no rat plague is apparent, as no dead rats are found.

May 30. Sanitary work in La Guaira is being carried on actively, and Haffkine's lymph is being used freely for prophylaxis.

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FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Lourenço Marquez.*—Month of March, 1909. Estimated population, 10,000. Total number of deaths, 42, including 12 from pulmonary tuberculosis.

Transvaal—Johannesburg.—Four weeks ended May 1, 1909. Estimated population, 180,687. Total number of deaths, 320, including enteric fever 24, scarlet fever 2, measles 4, whooping cough 3, diphtheria 2, and 43 from tuberculosis.

AUSTRALIA—*Brisbane.*—Month of March, 1909. Estimated population, 119,428. Total number of deaths, 139, including enteric fever 1, measles 1, diphtheria 2, and 12 from plumonary tuberculosis.

The State of South Australia, including the city of Adelaide.—Four weeks ended April 3, 1909. Estimated population: State, 394,692; city, 40,185. Total number of deaths, 274, including enteric fever 9, diphtheria 2, and 32 from tuberculosis. Cases: Enteric fever 48, scarlet fever 8, diphtheria 74, and tuberculosis 80.

State of Victoria, including the city of Melbourne.—Two months ended May 1, 1909. Estimated population of State, 1,237,998; city, 526,400. Total number of deaths not reported. Deaths from contagious diseases were: Enteric fever 54, scarlet fever 15, and 3 from diphtheria. Cases: Enteric fever 691, scarlet fever 1,653, diphtheria 320.

BRAZIL—*Ceara.*—Month of April, 1909. Estimated population, 55,000. Total number of deaths, 126, including scarlet fever 10 and 20 from tuberculosis.

CANADA—*Ontario—Hamilton.*—Month of May, 1909. Estimated population, 70,000. Total number of deaths, 79, including scarlet fever 2, diphtheria 1, whooping cough 2, and 7 from tuberculosis. Cases: Scarlet fever 29, diphtheria 9, measles 14, and whooping cough 22.

CUBA.—Month of February, 1909. Estimated population, 2,159,027. Total number of deaths, 2,155, including enteric fever 13, measles 8, whooping cough 9, diphtheria 16, leprosy 4, and 291 from tuberculosis.

Habana.—Month of March, 1909. Estimated population, 333,158. Total number of deaths, 534, corresponding to a death rate of 18.85 per 1,000 of population, including enteric fever 7, measles 7, scarlet fever 2, diphtheria 2, leprosy 2, and 78 from tuberculosis.

FRANCE—*St. Etienne.*—Two weeks ended May 15, 1909. Estimated population, 150,000. Total number of deaths, 115, including scarlet fever 2, diphtheria 2, and 15 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the two weeks ended May

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22, 1909, correspond to an annual rate of 14.2 per 1,000 population, which is estimated at 16,234,952.

London.—Two thousand five hundred and eleven deaths were registered during the two weeks, including measles 106, scarlet fever 18, diphtheria 23, enteric fever 6, whooping cough 72, tuberculosis 296, and 18 from diarrhea. The deaths from all causes correspond to an annual rate of 13.55 per 1,000. In Greater London 3,562 deaths were registered. In the "outer ring" the deaths included 23 from measles, 6 from diphtheria, 20 from whooping cough, 7 from scarlet fever, and 2 from enteric fever.

Salford.—Annual report for the year 1908. Estimated population, 239,294. Total number of deaths, 4,356, corresponding to a death rate of 17.9 per 1,000 of population, including measles 168, scarlet fever 65, whooping cough 103, diphtheria 125, enteric fever 42, and 544 from tuberculosis.

Ireland.—The average annual death rate represented by the deaths registered during the two weeks ended May 22, 1909, in the 21 principal town districts of Ireland was 20.4 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Drogheda, viz, 4.1, and the highest in Lurgan, viz, 39.8, per 1,000.

Scotland.—The deaths registered in 8 principal towns during the two weeks ended May 22, 1909, correspond to an annual rate of 16.2 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Paisley, viz, 28.9, and the lowest in Perth, viz, 10.3, per 1,000. The aggregate number of deaths registered from all causes was 1,156, including diphtheria 11, enteric fever 1, scarlet fever 6, whooping cough 55, and 13 from measles.

JAMAICA.—Annual report for the year ended March 31, 1908. Total number of deaths, 23,672, corresponding to a death rate of 28.3 per 1,000 of population, which is estimated at 834,012. The total number of deaths include 150 from measles, 1 from scarlet fever, 2 from typhus fever, 2 from whooping cough, 4 from diphtheria, 223 from enteric fever, 30 from leprosy, and 1,523 from tuberculosis.

MADAGASCAR—*Tamatave.*—Month of April, 1909. Estimated population, 7,086. Total number of deaths, 18. No deaths were reported from contagious diseases.

NEW ZEALAND—*Auckland.*—Month of March, 1909. Estimated population, 75,345. Total number of deaths, 83, including enteric fever 1, diphtheria 2, and 3 from tuberculosis.

Wellington.—Month of March, 1909. Estimated population, 73,697. Total number of deaths, 67, including enteric fever 1, and 5 from tuberculosis.

Christchurch.—Month of March, 1909. Estimated population, 62,096. Total number of deaths, 50, including 3 from tuberculosis.

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Dunedin.—Month of March, 1909. Estimated population, 61,279. Total number of deaths, 45, including 1 from diphtheria.

WEST INDIES—*Curaçao.*—Month ended May 28, 1909. Estimated population, 30,000. Total number of deaths, 17. Cause of deaths not reported.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to June 18, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15–Jan. 2	16	13	
China:				
Hongkong	Dec. 28–Jan. 16	2	2	
India:				
Bombay	Dec. 9–May 18		398	
Calcutta	Nov. 1–May 8		1,194	
Madras	Nov. 14–Apr. 9		61	
Negapatam	Oct. 31–Apr. 23		48	
Rangoon	Nov. 8–May 8		94	
Indo-China:				
Cholen	Nov. 9–15	1	1	
Saigon	Mar. 1–May 1	3	2	
Persia:				
Tabriz	Oct. 9–Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1–Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1–Jan. 16	260	163	
Bataan	Nov. 1–7	1	1	
Bohol	Dec. 20–Apr. 24	551	272	
Bulacan	Nov. 1–Feb. 27	82	71	
Cagayan	Nov. 1–Apr. 10	175	108	
Capiz	Nov. 1–Apr. 17	1,535	873	
Cavite	Nov. 1–Feb. 20	110	81	
Cebu	Dec. 20–Apr. 24	38	21	
Ilocos Norte	Nov. 1–Jan. 16	335	235	
Ilocos Sur	Nov. 1–Jan. 2	207	140	
Iloilo	Nov. 1–Apr. 17	495	155	
Isabela	Jan. 24–Apr. 24	21	12	
Laguna	Nov. 1–Mar. 6	119	81	
Leyte	Nov. 1–Mar. 6	158	125	
Misamis	Apr. 11–17	26	13	
Negros Occidental	Nov. 1–Apr. 24	606	341	
Nueva Ecija	Feb. 14–20	1	1	
Palawan	Nov. 1–Dec. 19	10	5	
Pampanga	Nov. 1–Apr. 10	105	78	
Pangasinan—Taytay	Apr. 10–17	9		
Rizal	Nov. 1–Apr. 17	249	218	
Samar	Nov. 1–Mar. 13	196	223	
Sorsogon	Jan. 10–Apr. 24	136	93	
Surigao	Nov. 15–Jan. 12	7	4	
Union	Nov. 1–Jan. 12	12	8	
Zambales	Dec. 6–12	3	3	
Russia, general	Nov. 15–May 22	4,085	1,792	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smelnogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15–Jan. 23	34	13	
Bakoo	Nov. 22–28	3	2	
Batoon	Nov. 15–21	4	2	
Charkov	Dec. 6–Mar. 13	6	1	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Mar. 6	190	97	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7–Mar. 20	63	28	
Kherson	Nov. 15–Dec. 19	2		
Kief	Nov. 15–Dec. 12	11	1	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia, general—Continued.				
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1		
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3		
Romanov-Borisoglyebsk	Mar. 10			Present.
Rybinsk	Mar. 13	7		
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of	Dec. 19–26	1		
Stavropol	Nov. 15–21	1		
St. Petersburg, government	Nov. 15–Mar. 19	35		
St. Petersburg	Nov. 29–May 22	2,372	725	May 27, still present.
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 23	102	48	
Toula	Feb. 21–Mar. 6	7	2	
Tver district	Nov. 15–Dec. 5	4		
Volgoda	Dec. 6–12	1		
Yelisavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–Apr. 24	2	1	
Straits Settlements:				
Penang	Feb. 27	1		From s. s. Sunki Maru.
Singapore	Nov. 8–Apr. 24		167	

YELLOW FEVER.

Barbados, general	Dec. 12–May 22	73	22	Including the parishes of St. Andrew, St. John, St. Joseph, St. Lucy, St. Michael, and St. Thomas.
Bridgetown	Dec. 12–Mar. 20	11		
Speightstown	Mar. 7	1		
Brazil:				
Bahia	Nov. 15–May 7	201	79	
Manaos	Nov. 29–May 15		20	
Para	Nov. 22–May 22		83	
Pernambuco	Nov. 15–Mar. 15		3	
Rio de Janeiro	Apr. 18–25	1		
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1–2	2	1	These cases were removed Dec. 2. and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29–May 15		152	
Martinique:	Dec. 13–Mar. 6	5	1	
Fort de France				
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–June 2	19	8	May 19, 1 case from Tekax.
San Bernardo plantation	Dec. 27–May 1	8	4	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Ticul	Feb. 1–Apr. 13	4	2	
Veracruz	Dec. 6–Feb. 13	13	6	
Portugal:				
Lisbon	June 1	1		In quarantine from s. s. Lanfranc: 4 deaths en voyage from Para, from May 18.
Trinidad:				
Port of Spain	Jan. 20		1	
Venezuela:				
Maiquetia	May 24	1	1	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Mascat	Apr. 16	1	1	From s. s. Agrica.
Azores:				
Fayal	Apr. 1	1		Sept. 22–Mar. 31, 10 cases additional.
Terceira	Mar. 31–Apr. 30	19	7	
Australia:				
Brisbane	Nov. 1–7	1	1	
Newcastle	Mar. 1–31	1		
Sydney	Mar. 6–27	13	4	
Belgium:				
Antwerp	Apr. 11	3		In quarantine at Doel from s.s. Rubens.
Brazil:				
Bahia	Nov. 15–Apr. 30	61	28	
Para	Jan. 24–Feb. 6		2	
Pernambuco	Nov. 1–Dec. 31		10	
Rio de Janeiro	Nov. 16–May 9	79	36	
Chile:				
Antofagasta	Feb. 28–Apr. 17	42		May 1, 5 cases in lazaretto.
Arica	Mar. 9			Present. May 13, again present.
Iquique	Jan. 1–May 8	77	28	Year 1908, 133–70; May 8, 20 cases in the lazaretto.
Magillones	Mar. 9–10	70		
Taltal	Feb. 11			Present.
China:				
Amoy	Mar. 6–Apr. 30	251	50	Apr. 17, present in vicinity, and present at Wuchang in September.
Am Phau	Apr. 1–30	5	3	
Canton	Mar. 6–May 1	115	80	
Changchew	Apr. 3			Epidemic.
Chinchew	Mar. 7–Apr. 3			Present.
Fukien Province, Chang Poo	Mar. 7–Apr. 26			Epidemic.
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8–Apr. 3	31	23	
Tamchou	Dec. 19			Vicinity of Hainan; present.
Tientsin	Oct. 18–Nov. 21			Present. Feb. 16, again present.
Tongshan	Nov. 1–14			Present.
Ecuador:				
Babohoyo	Jan. 16–Mar. 27	5		
Guayaquil	Nov. 29–May 15		128	
Milagro	Nov. 17–Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25–Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14–May 3	5	1	
Port Said	Dec. 4–May 23	8	5	
Suakim	Feb. 1	1		On s.s. Huriet II.
Provinces—				
Assiout	Dec. 2–May 13	32	25	
Beherach	Nov. 24–Dec. 26	11	6	
Benisouef	May 24	1		
Dakaklieh	Feb. 4–Mar. 20	6	6	
Galyoobeeyeh	Nov. 21–May 10	4		
Garbieh	Nov. 27–May 25	11	3	
Girgeh	Oct. 18–Mar. 14	8	8	
Fayoum	Nov. 23–May 26	44	23	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–May 16	22	11	
German East Africa:				
Dar-es-Salaam	Oct. 10–Jan. 7	7	5	
Muanza	Apr. 14		60	
Great Britain:				
Elstree	Feb. 3–4	1	1	At plague laboratory.
India:				
Bombay Presidency and Sind.	Nov. 2–Apr. 24	25,872	18,840	
Madras Presidency	Nov. 2–Apr. 24	1,260	899	
Bengal	Nov. 2–Apr. 24	6,716	5,671	
United Provinces	Nov. 2–Apr. 24	12,082	10,515	
Punjab	Nov. 2–Apr. 24	26,350	21,096	
Burma	Nov. 2–Apr. 24	5,943	5,607	
Central provinces, including Berar.	Nov. 2–Apr. 24	6,566	5,201	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–Apr. 24	3,023	2,184	
Hyderabad State	Nov. 2–Apr. 24	640	536	
Central India	Nov. 2–Apr. 24	819	636	
Rajputana	Nov. 2–Apr. 24	4,677	4,160	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
Kashmir	Mar. 14-Apr. 24	23	12	
Northwest Province	Mar. 21-Apr. 27	2		
Grand total		93,978	75,360	
Bahrein Island, Persian Gulf	May 12	3	1	
Indo-China:				
Cholen	Oct. 25-Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25-May 1	40	43	
Japan:				
Amagasaki	Feb. 27			Present.
Awaji Island, Sumoto	Feb. 27			Do.
Formosa	Nov. 8-May 8	767	314	Mainly in the central and south central part.
Himeji	Apr. 30	1	1	
Hiogo, prefecture				Year 1908, 219 cases additional.
Kagi, prefecture	Jan. 16	5		
Kagoshima, prefecture	Feb. 6	1		From s. s. Shinkochi Maru.
Kioto	Apr. 24	1	1	
Kobe	Jan. 20-Apr. 30	9	7	3 cases from s. s. Ghazee. Feb. 27, again present. Apr. 3, 1 case in vicinity.
Mikagi	Feb. 27			Present.
Nara, prefecture				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases. Feb. 28, still present.
Osaka	Dec. 22-May 1	4	2	Year 1908, 59 cases additional. Case Jan. 29, on s. s. Shinkochi Maru.
Tokushima, prefecture		1		Year 1908.
Yokohama	May 17	9	3	
Yura		116	83	Do.
Mauritius	Oct. 2-Jan. 31		115	
Persia:				
Bushire	Apr. 30		10	On a vessel.
Peru:				
Arequipa, department	Feb. 19-May 6	10	5	
Mollendo	Nov. 1-Feb. 18	1	5	
Cajamarca, department	Feb. 19-May 6	84	56	
Cascas	Feb. 12-18	12	5	
Chota	Jan. 22-Feb. 18	8	8	
Callao, department	Feb. 19-May 6	17	9	
Callao	Nov. 13-Feb. 18	18	11	April 21, present.
Lambayeque, general	Feb. 19-May 6	79	27	
Chiclayo	Nov. 13-Feb. 18	44	23	
Eten	Nov. 13-Dec. 31	11	10	
Jayanca	Feb. 4	12		
Lambayeque	Feb. 18-Mar. 4	6	5	
Motupe	Dec. 17-Jan. 14	2		
San Jose	Nov. 13-Dec. 3	2		
Zaña	Jan. 14-Feb. 18	4	2	
Libertad, department	Feb. 19-May 6	62	22	
Casma	Feb. 4	1	1	
Chepen	Nov. 27-Feb. 18	19	6	
San Pedro	Nov. 13-Feb. 18	28	21	
Trujillo	Nov. 13-18	153	70	
Lima, department	Feb. 19-May 6	53	19	
Chorrillos	Jan. 22-Feb. 4	2	2	
Lima	Nov. 13-Feb. 13	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15		
Piura, department	Feb. 19-Mar. 4	2	1	
Catacaos	Dec. 11-Feb. 18	7		
Paita	Dec. 11-17	3	2	
Piura	Dec. 11-Jan. 14	6	4	
Russia:				
Libau	Mar. 30-Apr. 5	1		
Siam:				
Bangkok	Sept. 27-Apr. 24	16	8	
Straits Settlements:				
Singapore	Nov. 30-Apr. 24	6	6	
Trinidad:				
Port of Spain	May 27		1	
Turkey in Asia:				
Bagdad	Nov. 6-May 18	19	7	
Beirut	Dec. 17-Jan. 9	5	5	
Jiddah	Dec. 12-Apr. 25	178	160	
Venezuela:				
Caracas	May 20-June 9	8	4	
Zanzibar	Nov. 10	1	1	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	Dec. 1-Apr. 30		113	
Bona	Jan. 1-Apr. 30	80	47	
Arabia:				
Aden	Nov. 25-Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1-Feb. 28		5	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1		
Austria:				
Bohemia	Jan. 31-May 1	9		
Galicia	Dec. 20-May 15	12		
Silesia	Jan. 3-May 1	6		
Trieste	Mar. 21-27	1		
Barbados:				
Bridgetown	May 1	1		From s. s. Parima.
Brazil:				
Bahia	Nov. 15-May 7	358	39	
Para	Feb. 14-Mar. 27	3	2	
Pernambuco	Nov. 1-Mar. 15		118	
Rio de Janeiro	Nov. 16-May 16	1,449	709	
Santos	Nov. 1-Dec. 20		19	
São Paulo	Nov. 1-May 2		66	
British Honduras:				
Stann Creek	Feb. 5-Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28-Mar. 13	5		
Durban	Mar. 20-27	1		
East London	Apr. 10-17	1	1	From s. s. Elleric.
Canada:				
British Columbia—				
Vancouver	Dec. 1-Apr. 30	8		
Victoria	Dec. 12-Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20-May 29	8		
Ontario, Province, general	Dec. 1-31	118		
Hamilton	Jan. 17-23	1		
Toronto	Nov. 8-May 15	26		
Nova Scotia—				
Halifax	Dec. 13-June 5	88		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1-May 29	32		Revised.
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Quebec	June 5	1		At Grosse Isle from s. s. Virginian.
Ceylon:				
Colombo	Nov. 1-May 8	206	4	
Chile:				
Concepcion	Jan. 15-31	1		
Santiago	Apr. 27			Epidemic in suburbs.
Talcaguana	Nov. 20-Jan. 28			Present in vicinity.
Valparaiso	Dec. 6-19	2		
China:				
Amoy, Kulangsu	Oct. 11-Nov. 8		2	May 1, still present.
Canton	Mar. 6-May 1	95		
Hankau	Mar. 20			Present.
Hongkong	Jan. 3-Apr. 3	18	6	
Shanghai	Nov. 11-May 1	7	7	3 cases Nov. 11-Dec. 28 from U. S. transport Seward, case Apr. 17 from s. s. Helena.
Tientsin	Jan. 17-May 8	19	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26-Apr. 3	5		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12-Feb. 25	737	164	
Alexandria	Nov. 26-Mar. 31	50	30	
Cairo	Nov. 19-May 13	508	146	
Suez	Feb. 19-May 20	83	5	
France:				
Marseille	Dec. 1-Apr. 30		5	
Nantes	Mar. 15-21	1		
Nice	Jan. 1-Feb. 28	2		
Paris	Nov. 22-May 22	73	3	
Toulon	Jan. 1-31	1		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Germany, general	Nov. 19–May 29	103		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Brunswick	Feb. 16–20	1		
Hamburg	Mar. 13–May 22	4		Among Russian emigrants.
Konigsberg	Jan. 9	1		
Gibraltar	May 2	1		
Greece:				
Athens	Nov. 22–Mar. 6		5	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–May 22	34	9	
Cardiff	Apr. 3–May 1	1	1	
Dunbar	Mar. 21–27	1		From a vessel.
London	Feb. 1–6	1		
Guatemala:				
Guatemala City	Dec. 21–May 29	606	200	Estimated, 2,800 cases; 840 deaths.
India:				
Bombay	Nov. 25–May 18		327	
Calcutta	Nov. 1–May 8		3,573	
Madras	Nov. 28–May 18		39	
Rangoon	Nov. 22–May 8		110	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–May 4	57	32	
Italy, general	Nov. 30–May 23	405		
Catania	Feb. 28–May 8	9		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–Mar. 10	4		
Genoa	Dec. 1–May 15	13		Jan. 18, 1 case on s. s. Europa.
Naples	Dec. 7–May 23	435	71	Apr. 23, 1 case on s. s. Montevideo. May 1, 1 case on s. s. Verona.
Palermo	Jan. 24–Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15–21	2		
Turin	May 15–21	1		
Japan:				
Formosa	Nov. 29–May 8	23		
Kobe	Feb. 14–Mar. 6	5	2	3 cases in March from s. s. Ghazze from Singapore.
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–May 1	89	10	
Malta	Nov. 22–Feb. 20	4	1	Nov. 22, 1 case on vessel
Manchuria:				
Dalny	Jan. 17–Apr. 10	7	2	
Mexico:				
Acapulco	Jan. 11–Feb. 14	15		
Acayucan	Mar. 17			Present.
Chihuahua	Apr. 19–June 6	8	3	
Guadalajara	Jan. 7–27		20	
Matamoras	May 9–15	1		
Mexico City	Nov. 8–May 8		364	
Monterey	Jan. 4–June 6		86	
Puebla	May 9			Epidemic.
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Salina Cruz	Jan. 1–15	5		
Tampico	Apr. 28–June 2			Present at localities between Tampico and Tuspan.
Tehuantepec	Jan. 28–Feb. 3			Present.
Veracruz	Dec. 13–May 31	10	6	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Nymwegen	Apr. 28–May 4	1		
Rotterdam	Jan. 10–Mar. 27	1	1	
Newfoundland	Feb. 9–Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10–Apr. 3	11		Jan. 10, 1 case from s. s. Portia.
Norway:				
Bergen	Jan. 24–30		2	
Christiania	Nov. 22–28	1	1	
Paraguay:				
Asuncion	Dec. 20–26			Present.
Persia:				
Arabistan	Jan. 1–28			Do.
Dizfoul	Jan. 1–28			Do.
Hamadan	Oct. 2–Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Persia—Continued.				
Kermanshah	Mar. 1-31	22		Present in October.
Mash-Had	Apr. 5			Present.
Mechedisser	Jan. 1-28			Do.
Mohammerah	Jan. 1-28			Do.
Sultanabad	Oct. 1-31			Do.
Tabriz	Oct. 2-Apr. 5			Do.
Teheran	Sept. 18-Oct. 28		17	
Trebizond	Jan. 16			Do.
Peru:				
Lima	Nov. 22-Dec. 31	11		Mar. 27, 1 case in the lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-Apr. 24	111	22	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-May 22	80		Jan. 27, 1 case from s. s. Aragon.
Russia:				
Batoom	Dec. 1-Mar. 31	4		
Moscow	Nov. 20-May 22	553	211	
Odessa	Oct. 4-May 22	97	17	
Reval	Jan. 1-31	1		
Riga	Nov. 29-May 29	45		
St. Petersburg	Nov. 15-May 8	259	79	
Warsaw	Nov. 1-Apr. 17		86	
Salvador:				
Ahuachapan	Apr. 27	5		In quarantine.
San Geronimo, Canton	Apr. 27	7	2	Matopan, department.
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6-Apr. 27	40		Present on routes to Guatemala.
Santiago	Apr. 27	12		
Servia:				
Belgrade	Dec. 6-May 15	16	6	
Siam:				
Bangkok	Feb. 1-Apr. 24	147	92	Present in November.
Siberia:				
Vladivostok	Dec. 14-Feb. 14	2		
Southeast Africa:				
Lourenço Marquez	Jan. 1-31	1	1	
Spain:				
Almeria	Jan. 1-Apr. 30		10	Apr. 1-Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6-May 31		91	
Cartagena	July 1-31		15	
Huelva	Mar. 1-31		2	
Madrid	Nov. 1-Apr. 30		118	
Valencia	Nov. 29-May 22	134	11	
Vigo	Nov. 30-May 22		14	
Straits Settlements:				
Penang	Mar. 1-27	2	2	Mar. 1, 1 case from s. s. Pentakota; case Mar. 27 from s. s. Hong Sin.
Singapore	Dec. 28-May 1		18	
Switzerland:				
Geneva	May 9-15	2		
Zug, Canton	Apr. 11-17	1		
Zurich	Feb. 21-27	3		
Tripoli:				
Tripoli	Feb. 13-Apr. 24	181	31	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bagdad	Feb. 13-May 8			Present.
Bassorah	Jan. 3-May 15			Do.
Smyrna	Oct. 7-May 6		75	
Turkey in Europe:				
Constantinople	Dec. 7-May 23		75	
Trebizond	Feb. 7-May 2			Do.
Uruguay:				
Montevideo	Dec. 1-Mar. 31		21	

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Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	May 22	181,918	47										1	3
Acapulco	Mar. 6	5,000	8	1									4	
Do	Mar. 13	5,000	7										3	
Do	Mar. 20	5,000	7										2	
Do	Mar. 27	5,000	6	1									2	
Do	Apr. 3	5,000	5											
Do	May 22	5,000	6											
Aden	May 17	43,974	30	6										
Aguascalientes	May 23	40,000	88	5					3		1		3	2
Do	May 30	40,000	82	2					1		3		1	3
Aix la Chapelle	May 8	159,750	59	13							1		3	1
Do	May 15	159,750	47	6										3
Amsterdam	May 22	566,304	114	17							1		3	4
Antwerp	May 15	343,921	68	5								1	1	
Baracoa	May 22	27,000	4									1		
Barcelona	May 24	600,000	385	20				6		6		3	10	
Barmen	May 8	161,400	37	8						1	1			
Barranquilla	May 15	40,000	17	2										
Basel	do	131,000	30	10										
Do	May 22	131,000	33	7										1
Belfast	do	386,576	180	43								1		9
Belize	May 27	9,113	2											
Bergen	May 15	87,749	15	2						1		3		
Do	May 22	87,749	14	2								1		
Berlin	May 8	2,099,833	566	90							9	12	7	3
Birmingham	May 22	558,336	172							1	1	4	4	3
Bluefields	do	2,500	2											
Bombay	May 11	977,822	895	53	313	10		24		4			3	
Bradford	May 22	293,983	99	3						1			2	1
Breslau	May 15	335,186	195	40						1		3		5
Bristol	May 22	377,642	100	9				2					2	2
Brussels	do	704,975	195	23							1	1	4	
Budapest	May 15	804,200									3	2	7	
Calcutta	May 1	847,796	718	25	127	105		100						
Canton	Apr. 24	1,000,000	300	30	20					5		3		
Do	May 1	1,000,000	350	30	35					5		2		
Chemnitz	May 15	274,993	89	10							1			1
Chihuahua	May 30	37,000	28	3						2				
Christiania	May 15	235,000	66									3	2	3
Do	May 22	235,000	65										1	3
Coburg	May 15	23,465	8								1			
Cognac	May 22	19,483	4											
Cologne	May 15	409,879	124	19							4	6	2	2
Colombo	Apr. 24	183,872	100	7						6			1	
Constantinople	May 16	1,000,000	243	42				2		8				
Copenhagen	May 8	447,000	116	13							1		1	4
Dalny	May 1	36,885	13											
Do	May 8	36,885	12											
Denia	May 15	12,431	2											
Dresden	May 22	546,900	145	17								3	2	
Dublin	May 15	394,525	153	21						2			3	5
Do	May 22	394,525	176	28						4		1		4
Dundee	do	169,409	57											
Durban	May 1	60,244	14	1										
Edinburgh	May 22	355,366	117	11										10
Erfurt	May 1	107,189	27	2						3	1		2	
Fiume	May 8	50,811	13	4							1			
Do	May 15	50,811	32	11										
Do	May 22	50,811	13	2										
Flushing	do	21,208	6											
Fort de France	May 15	27,069	17											
Do	May 22	27,069	17											
Frankfort on the Main	May 15	362,600	89								1			1
Frontera	May 22	9,000	2											
Geneva	May 8	121,500	45								1			
Do	May 15	121,500	31							2				
Georgetown	May 1	56,000	42	2						1		2		
Do	May 8	56,000	34	1										
Ghent	May 15	164,579	53	4							1	1	1	
Glasgow	May 28	872,021	286								3	4	2	2
Gothenburg	May 15	162,400	34	6										1
Do	May 22	162,400	45	9									1	1

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Greenock	May 22	72,300	28											1
Guadalajara	May 20	125,000	113											
Do	May 27	125,000	127					3			19			
Halifax	May 31	40,787	27	2										
Hamburg	May 15	872,252	263	39						1	2	4		4
Do	May 22	872,252	294	39							1	6		2
Hamilton, Bermuda	May 31	20,206	5											
Havre	May 15	132,430	66	13						2			2	2
Do	May 22	132,430	60	11						1		1		1
Hilo, Hawaii	May 15	3,500	8	1										
Hull	May 22	275,552	70										1	1
Lausanne	May 8	60,000	20											
Do	May 15	60,000	19											
Leeds	May 22	484,012	117	10						1				1
Leipzig	May 15	537,686	146	25							1	1		1
Leith	May 22	85,721	23	4										1
Liege	May 15	176,465	50	5									1	1
Liverpool	May 22	760,357	276	22					1	2	3	3	12	6
Lisbon	Apr. 17	406,869	182	33						1		1	1	
Do	Apr. 24	406,869	139	17						2	1	3		
London	May 22	4,833,938	1,295	150						6	6	16	53	42
Lübeck	...do...	97,000	28	4										
Lyon	May 8	472,114	184	36									1	
Do	May 15	472,114	154	43							1			1
Madras	May 7	509,346	338					4					7	
Managua	May 8	22,278	26	2										
Manaos	May 15	52,040	26				4							
Manchester	May 22	631,533	227	20						3	1	4	13	4
Mannheim	May 1	182,811	56	9								1	1	
Do	May 8	182,811	36	6						1			3	
Manzanillo	May 22	1,700	2											
Do	May 29	1,700	4											
Matamoros	...do.....	8,000	4											
Mazatlan	...do.....	22,000	23											
Mexico	Apr. 24	400,000	442	34				28	12		13	2	5	1
Do	May 1	400,000	477	42				23	15	2	8	1	5	1
Do	May 8	400,000	475	33				15	18		13	4	2	1
Milan	May 9	900,000	240	35						1	8		3	
Do	May 16	900,000	272	33						5	7		1	
Moncton, N. B.	June 5	13,500	2									1		
Monrovia	Apr. 23	7,000	4											
Do	Apr. 30	7,000	6	1										
Monterey	May 30	100,000	110	6				5		4			2	
Montreal	May 29	378,806	128	18						1	2	2	4	1
Moscow	May 15	1,335,104	761	97				6	5	1	16	14	45	6
Munich	...do ...	566,000	213	44							6	3	4	2
Nagasaki	May 9	175,936	34									1		
Naples	May 22	593,729	295					3				1	1	
Newcastle-on-Tyne	...do.....	281,584	95							1		4		1
Nottingham	May 15	260,000	83									1	2	
Nuevo Laredo	May 29	8,000	5	1										
Nuremberg	May 1	316,180	122	24							1	1		1
Do	May 8	316,180	107	27							1			
Ottawa	May 22	80,200	22											
Do	May 29	80,200	19											
Para	May 15	185,000	83	10			7							
Do	May 22	185,000	96	6			3							
Paris [a]	Jan. 23	2,776,394		209						7	2	4	1	3
Do	Feb. 27	2,776,394	1,116	238						6	3	4	4	7
Do	May 15	2,776,394	996	212						4	4	4	7	7
Do	May 22	2,776,394	1,009	225						7	4	9	21	9
Penang	May 1	102,520	72	16										
Plymouth	May 22	124,180	31									1		
Port Elizabeth	May 8	32,959	11								1		1	
Prague	May 15	229,965	140	38						1	1	1	1	
Queenstown	May 22	7,684	6											
Rangoon	May 1	252,155	194	9	18	7		8					1	
Rotterdam	May 22	413,563	118							1				
Saigon	Apr. 17	206,000			2									
Do	Apr. 24	206,000			4					1				
Do	May 1	206,000			3			4						

[a] Reported out of date.

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
St. John, N. B	June 5	40,711	12	4										
St. Petersburg	May 1	1,678,000	874	137		5		5	2	6	19	12	37	11
Do	May 8	1,678,000	874	150		6		8	3	8	16	14	43	12
San Feliu de Guixols	May 22	11,094	2											
Santa Cruz de Teneriffe	May 15	46,000	12	2										
Do	May 22	46,000	16	2									1	
Santiago de Cuba	May 29	53,614	18	3										
Shanghai [a]	Jan. 10	565,000	122	18								1		
Do	Jan. 17	565,000	124	10							1	3		
Do	Jan. 31	565,000	131	17										
Do	Apr. 24	565,000	116	12								1		
Do	May 1	565,000	113	11				1				1		
Smyrna	Apr. 29	400,000	54	17						1				
Do	May 6	400,000	51	11				1		1				1
Southampton	May 22	124,667	26	2										
Stockholm	May 8	339,582	112	24							1	3		1
Sunderland	May 22	159,137	55										3	1
Tarragona	Mar. 20	20,400	8											
Do	Mar. 27	20,400	7											
Do	May 22	20,400	8	2										
Tegucigalpa	May 18	24,000	9											
Turin	May 21	381,439	156	12								4	1	
Valencia	May 15	240,000	87	9				1					1	
Vevay	May 8	14,500	2											
Do	May 15	14,500	5											
Victoria	May 29	30,000	9	1										
Vienna	May 15	2,064,037	789	149						1	8	3	15	8
Vigo	May 22	40,000	17	6								1		
Warsaw	Mar. 27	751,595	276	52				1	3		2	2	2	
Do	Apr. 3	751,595	281	65				4	4	2	5	1	8	2
West Hartlepool	May 22	66,750	15											
Winnipeg	May 29	122,000	35	1						2		1		
Zanzibar	Apr. 21	75,000	28	9										
Do	Apr. 30	75,000	31											

[a] Reported out of date.

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at Oakland and Point Richmond and in Alameda and Contra Costa counties, Cal.

Surgeon Blue reports:

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended June 5, 1909.

Dead inspected	16
Plague	0
Premises inspected	412
Premises reinspected	295
Premises cleaned	62
Garbage cans installed	18
Rats found dead	63
Rats trapped	815
Rats identified	910
Mus norvegicus	869
Mus rattus	7
Mus musculus	32
Mus alexandrinus	2
Rats examined bacteriologically	878
Plague rats	0
Mice examined bacteriologically	32
Plague mice	0

POINT RICHMOND, CAL.

Week ended June 5.

Premises inspected	350
Nuisances abated	21
Rats found dead	33
Rats trapped	14
Rats examined bacteriologically	14
Plague rats	0
Poisons placed	3,500

ALAMEDA COUNTY, CAL.

Week ended June 5.

Dead inspected	39
Plague	0

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CONTRA COSTA COUNTY, CAL.

Week ended June 5.

June 4, 1909, plague-infected ground squirrel found on Root's ranch, 2 miles from Lafayette, Contra Costa County, Cal. Bacteriologically verified June 7, 1909.

Ground squirrels shot	583
Ground squirrels found dead	17
Ground squirrels trapped	5
Ground squirrels examined bacteriologically	599
Ground squirrels infected with B. pestis	1
Ranches inspected	46
Acres covered with poison	18
Poisons placed	2,074

Plague-infected squirrels found in Contra Costa County, Cal.

Doctor Blue further reports, June 21:

Eleven plague-infected squirrels have been found in various parts of Contra Costa County during the past 3 days.

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*Los Angeles.*—Month of May, 1909. Estimated population, 275,000. Total number of deaths reported, 301, including enteric fever 4, scarlet fever 2, whooping cough 2, diphtheria 1, and 45 from tuberculosis. Cases of contagious diseases reported: Diphtheria 24, enteric fever 14, scarlet fever 47, smallpox 4, measles 25, and tuberculosis 34.

San Diego.—Month of May, 1909. Estimated population, 42,500. Total number of deaths, 51, including diphtheria 1, and 7 from tuberculosis. Cases: Diphtheria 5, measles 4.

Stockton.—Three months ended February 28, 1909. Estimated population, 25,000. Total number of deaths, 72, including 7 from tuberculosis. Cases: Smallpox 50, scarlet fever 6, diphtheria 2, and tuberculosis 7.

FLORIDA.—Cases of communicable diseases diagnosed at the laboratory of the state board of health for the week ended June 12, 1909, are as follows: *Diphtheria*—Palatka, 1; Jacksonville and Tampa, each 2 cases. *Malaria*—Jacksonville, 18; Tampa, 13; Crescent City, 2; Inverness, Lake Butler, Mayport, Plant City, and Palatka, each 1 case. *Tuberculosis*—Jacksonville, 3; Tampa, 2; Bradentown, Gainesville, Orlando, Sanford, and Wausau, each 1 case. *Enteric fever*—Jacksonville, 2; Mandarin, Sopchoppy, and Tampa, each 1 case.

ILLINOIS—*Quincy.*—Month of May, 1909. Estimated population, 43,000. Total number of deaths, 44, including enteric fever 2, diphtheria 2, and 6 from tuberculosis. Cases: Scarlet fever 1, diphtheria 7, measles 2.

INDIANA.—Month of April, 1909. Total number of deaths, 3,212, corresponding to an annual death rate of 14.3 per 1,000 of the popu-

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lation, which is estimated at 2,732,549. Deaths from contagious diseases were: Tuberculosis 427, enteric fever 33, diphtheria 9, scarlet fever 9, measles 36, whooping cough 48, and 1 from smallpox. Cases: Smallpox, 74 in 18 counties; enteric fever, 58 in 24 counties; diphtheria, 60 in 21 counties.

KENTUCKY—*Henderson.*—Month of May, 1909. Estimated population, 17,900. Total number of deaths, 18, including enteric fever 2, and 4 from tuberculosis. Cases: Enteric fever 2, scarlet fever 1, smallpox 2, and tuberculosis 4.

LOUISIANA—*New Orleans.*—Month of May, 1909. Estimated population, 362,000 (white, 265,000; colored, 97,000). Total number of deaths, 609 (white, 375; colored, 234), including enteric fever 6, scarlet fever 17, diphtheria 4, and 77 from tuberculosis. Annual death rate per 1,000 for the month: White, 16.98; colored, 28.84. Total white and colored, 20.18.

MISSOURI—*Springfield.*—Month of May, 1909. Estimated population, 35,000. Total number of deaths, 30, including 8 from tuberculosis. Cases: Enteric fever 6, and diphtheria 1.

NEW HAMPSHIRE—*Concord.*—Month of April, 1909. Estimated population, 20,000. Total number of deaths, 43, including measles 1, and 3 from pulmonary tuberculosis. Cases: Scarlet fever 1, diphtheria 4, and measles 478.

Month of May, 1909. Total number of deaths, 55, including whooping cough 1, and 7 from pulmonary tuberculosis. Cases: Scarlet fever 7, diphtheria 2, and measles 319.

NEW YORK—*Auburn.*—Month of May, 1909. Estimated population, 40,000. Total number of deaths, 39, including whooping cough 1, and 3 from tuberculosis. Cases of contagious diseases reported: Diphtheria 1, scarlet fever 1, whooping cough 13, and phthisis pulmonalis 6.

Yonkers.—Month of May, 1909. Estimated population, 72,200. Total number of deaths, 83, including enteric fever 1, diphtheria 3, and 9 from tuberculosis. Cases: Scarlet fever 70, diphtheria 12, measles 38, enteric fever 1, and pulmonary tuberculosis 25.

OHIO—*Cleveland.*—Annual report for the year 1908. Total number of deaths, 7,177, corresponding to a death rate of 13.93 per 1,000 of population, which is estimated at 515,000. The number of deaths from contagious diseases were: Enteric fever 64, measles 41, scarlet fever 34, whooping cough 22, diphtheria 83, and 698 from tuberculosis. Cases: Diphtheria 915, scarlet fever 652, enteric fever 520, measles 2,685, and whooping cough 805.

Toledo.—Month of April, 1909. Estimated population, 195,888. Total number of deaths, 162, including diphtheria 1, enteric fever 2, and 24 from tuberculosis. Cases of contagious diseases reported: Diphtheria 17, measles 25, scarlet fever 11, enteric fever 12, and tuberculosis 1.

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TENNESSEE—*Nashville.*—Month of May, 1909. Estimated population, 127,723. Total number of deaths, 170, including enteric fever 1, and 18 from tuberculosis. Cases: Scarlet fever 5, smallpox 4, enteric fever 10, diphtheria 6, and pulmonary tuberculosis 14.

TEXAS—*Fort Worth.*—Month of May, 1909. Estimated population, 80,000. Total number of deaths, 74, including 2 from smallpox. Cases: Smallpox 21, enteric fever 5, scarlet fever 1, diphtheria 1, measles 2, whooping cough 1, and tuberculosis 1.

UTAH—*Salt Lake City.*—Month of May, 1909. Estimated population, 85,000. Total number of deaths from all causes, 90, including diphtheria 2, scarlet fever 7, whooping cough 2, and 6 from tuberculosis. Cases: Diphtheria 17, whooping cough 33, measles 11, smallpox 56, scarlet fever 76, enteric fever 1, and tuberculosis 1.

VIRGINIA—*Newport News.*—Month of May, 1909. Estimated population, 28,749. Total number of deaths 33, including 7 from tuberculosis. Cases: Scarlet fever 1, diphtheria 2, measles 5, and tuberculosis 5.

Richmond.—Month of May, 1909. Estimated population, 115,701—white, 73,204; colored, 42,497. Total number of deaths, 215—white, 110; colored, 105, including 20 from tuberculosis. Cases: Diphtheria 4, enteric fever 21, scarlet fever 2, and whooping cough 2.

WASHINGTON—*Seattle.*—Month of April, 1909. Estimated population, 276,000. Total number of deaths, 179, including enteric fever 1, scarlet fever 2, diphtheria 3, and 28 from tuberculosis. Cases: Diphtheria 21, smallpox 4, scarlet fever 59, measles 83, enteric fever 2, and tuberculosis 21.

Tacoma.—Month of May, 1909. Estimated population, 120,000. Total number of deaths, 44, including diphtheria 1, tuberculosis 5, and 1 from enteric fever.

Smallpox in the United States, as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to June 25, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Autauga County	Feb. 27-Apr. 5	11		
Prattville	Feb. 27-Apr. 5	3		
Dallas County	Feb. 20-Apr. 12	12		
Selma	Feb. 28-Apr. 12	26		
Jefferson County—Birmingham	Mar. 1-May 24	11		
Mobile County—Mobile	Jan. 12-Apr. 17	8		
Montgomery County—Montgomery	Mar. 13-Apr. 2		2	
Tuscaloosa County				Year 1908, 86 cases.
Total for State		71	2	

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Arizona:				
Winslow	May 1-3	1	1	
Total for State		1	1	
Arkansas:				
Allbrook	Jan. 1-Mar. 25	40		
Bethel	Jan. 25	3		
Jonesboro	Jan. 20-Mar. 1	20		
Little Rock	Dec. 15-Jan. 2	23		
Magnolia	Jan. 5-13	25		
Paragould	Feb. 1-Mar. 9	27		
Texarkana	Nov. 26-Jan. 11	10		
Total for State		148		
Califorina, general	Nov. 1-Mar. 31		5	
Berkeley	Apr. 18-24	1		
Los Angeles	Dec. 6-May 31	24	1	
Oakland	Nov. 1-Apr. 26	18		
Sacramento	Nov. 1-May 29	63		
San Francisco	Dec. 13-May 22	37		
Stockton	Nov. 1-May 1	63		
Total for State		206	6	
Colorado, general	July 1-Feb. 23	57		
Archuleta County	July 1-Dec. 31	1		
Boulder County	Mar. 1-31	2		
Chaffee County	July 1-Mar. 31	2		
Clear Creek County	Mar. 1-31	1		
Conejos County	Mar 1-31	2		
Denver County—				
Denver	July 1-Mar. 31	18		
Douglas County	July 1-Dec. 31	5		
Fremont County	July 1-Dec. 31	1		
Garfield County	Mar. 1-31	3		
Huerfano County	July 1-Mar. 31	12		
Larimer County	July 1-Dec. 31	1		
Las Animas County	Mar. 1-31	5		
Logan County	Mar. 1-31	3		
Mesa County	Mar. 1-31	2		
Morgan County	July 1-Mar. 31	13		
Phillips County	July 1-Dec. 31	4		
Pueblo County	Mar. 1-31	38		
Weld County	July 1-Mar. 31	20		
Total for State		190		
Delaware:				
Millsboro	May 6-June 9	2		
Total for State		2		
District of Columbia:				
Washington	Dec. 28-May 29	13		
Total for District		13		
Florida:				
Pensacola	May 1-31		1	
Total for State			1	
Georgia:				
Bibb County—				
Macon	Mar. 14-June 13	48		
Cobb County	Jan. 16-Feb. 7	8		
Fulton County—				
Atlanta	Jan. 15-May 21	62		And vicinity.
Muscogee County—				
Columbus	June 6-12		1	
Paulding County	Jan. 16-Feb. 7	15		
Total for State		133	1	
Illinois:				
Alexander County—				
Cairo	Jan. 7-Mar. 31	233		
Delta	Feb. 1-28	40		
Fayville	Feb. 1-28			Present.
Thebes	Jan. 1-Feb. 28	6		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Bureau County—				
Ladd	Nov. 1-30	4		
Carroll County—				
Savanna	Feb. 1-Mar. 31	3		
Cass County	Feb. 1-Mar. 31	4		
Champaign County	Mar. 1-31	1		
Christian County—				
Edinburg	Feb. 1-Mar. 28	27		
Taylorville	Aug. 1-Mar. 31	55		
Clinton County—				
Boulder	Feb. 1-28	1		
Carlyle	Jan. 1-31	1		
Coles County—				
Charleston	Jan. 1-30	1		
Cook County—				
Chicago	Jan. 3-June 19	14	1	
Fayette County	Mar. 1-31	3		
Franklin County—				
West Frankfort	Dec. 12-Feb. 13	15		
Fulton County—				
Canton	Jan. 1-Feb. 28	55		
Cuba	Jan. 1-31	1		
Farmington	Mar. 1-31	25		
Lewiston	Jan. 1-Mar. 31	26		
Norris	Feb. 1-Mar. 31	19		
Jackson County	Feb. 1-21	2		
Murphysboro	Jan. 1-Mar. 31	70	1	
Jasper County	Jan. 1-31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1-31	1		
Jo Daviess County—				
Galena	Jan. 1-31	3		
Kane County—				
St. Charles	Jan. 1-Mar. 31	2		
Kankakee County—				
Grant Park	Jan. 1-31	1		
Knox County—				
Galesburg	Feb. 14-May 15	11		
Lake County	Mar. 1-31	1		
Waukegan	Feb. 2-26	3		
Livingston County	Feb. 1-28	3		
McLean County—				
Bloomington	Jan. 1-Mar. 31	14		
Macon County	Feb. 1-Mar. 31	7		
Decatur	Jan. 1-Mar. 31	20		
Macoupin County		21		
Benld	Feb. 15-18	2		
Palmyra	Dec. 25-Jan. 20	4		
Scottsville	Dec. 25-Jan. 20	12		
Madison County—				
Alton	May 1-Apr. 30	3		
Marion County—				
Centralia	July 1-Jan. 20	53		
Kinmundy	Mar. 1-31	2		And vicinity.
Odin	Jan. 1-31	1		
Sandoval	Jan. 1-Mar. 31	3		
Mason County	Jan. 1-Mar. 31	12		Present in Bath, Havana, and Quiver townships.
Massac County—				
Metropolis	Jan. 1-Mar. 31	6		
Mercer County	Jan. 1-31	1		In North Henderson Township.
Montgomery County	Jan. 1-31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5-11	1		
Peoria County—				
Elmwood	Mar. 1-31	2		
Peoria	Dec. 31-May 31	121		Present in Glassford and in Timber and Trivoli townships.
Pope County—				
Eddyville	Feb. 1-28			Present in vicinity.
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-Mar. 31	18		
Mound City	Jan. 1-31	7		Feb. 28, still present.
Randolph County—				
Percy	Jan. 1-Mar. 31	40		
Preston	Mar. 1-31	6		
Rock Island County—				
Moline	June 7-13	1		
St. Clair County	Feb. 1-Mar. 31	16		
Belleville	Dec. 4-Feb. 28	15		
Mascoutah	Jan. 1-31	1		
Millstadt	Jan. 1-Feb. 28	2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Saline County—				
Eldorado	Jan. 1-Feb. 28	4		
Harrisburg	Mar. 1-31	8		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Springfield	Mar. 20-May 28	23		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Stephenson County—				
Freeport	Feb. 1-28	9		
Tazewell County	Jan. 1-Mar. 31			Present in Elm Grove, Green Valley, and Groveland townships.
Pekin	Jan. 1-Mar. 31	53		
Washington	Mar. 1-31	1		
Vermilion County—				
Danville	Jan. 11-June 13	96		
Rankin	Feb. 1-28	1		
Williamson County—				
Bush	Mar. 1-31	6		
Carterville	Jan. 1-Mar. 31	17		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-Mar. 31	19		
Woodford County—				
Roanoke	Mar. 1-31	3		
Total for State		1,348	2	
Indiana:				
Allen County	Dec. 1-Apr. 30	9		
Fort Wayne	Jan. 10-June 5	17		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Mar. 31	5		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-Apr. 30	40		
Cass County	Jan. 1-31	1		
Clay County	Oct. 1-31	8		
Clinton County	Feb. 1-Mar. 31	20		
Dearborn County	Oct. 1-Feb. 28	15		
Decatur County	Jan. 1-Mar. 31	9		
Dekalb County	Mar. 1-31	1		
Delaware County	Dec. 1-Apr. 30	62		
Muncie	Mar. 27	1		
Elkhart County	Oct. 1-Apr. 30	21		
Elkhart	Jan. 17-Mar. 6	8		
Fayette County	Mar. 1-31	1		
Floyd County	Feb. 1-28	1		
Fountain County	Feb. 1-28	19		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-Apr. 30	12		
Grant County	Dec. 1-Jan. 31	7		
Union	Feb. 6	5		
Greene County	Jan. 1-31	1		
Hamilton County	Dec. 1-Mar. 31	30		
Harrison County	Dec. 1-Jan. 31	11		
Hendricks County	Nov. 1-Dec. 31	5		
Henry County	Jan. 1-Apr. 30	13		
Howard County	Jan. 7-Apr. 30	11		
Jennings County	Feb. 1-Mar. 31	11		
Johnson County	Feb. 1-Apr. 30	3		
Kosciusko County	Mar. 1-31	11		
Laporte County	Feb. 1-28	6		
Madison County	Oct. 1-Jan. 31	6		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-June 13	11		
Miami County	Dec. 1-Jan. 31	8		
Montgomery County	Feb. 1-Apr. 30	4		
Noble County	Jan. 1-31	11		
Posey County	Feb. 1-28	3		
Randolph County	Mar. 1-31	1		
Rush County	Dec. 1-Apr 30	44		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-Feb. 28	3		
St. Joseph County	Dec. 1-Apr. 30	33		
South Bend	Mar. 23-June 12	31		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Apr. 30	95		
Lafayette	Dec. 15-June 14	67	1	
Tipton County	Nov. 1-Jan. 31	4		
Vanderburg County—				
Evansville	Jan. 10-June 12	12		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Vermilion County	Mar. 1-Apr. 30	40		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-Feb. 28	38		
Warrick County	Feb. 1-28	1		
Wayne County	Nov. 1-Apr. 30	20	1	
Wells County	Feb. 1-28	58		
White County	Mar. 1-Apr. 30	15		
Total for State		889	2	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Cedar Rapids	Mar. 1-May 31	18		
Council Bluffs	July 1-June 14	37	2	
Davenport	Apr. 12-June 13	7		
Dubuque	Oct. 1-Jan. 31	87	1	
New Hampton	Feb. 26	8		
Sioux City	Apr. 1-May 31	2		
Total for State		160	5	
Kansas:				
Allen County	Jan. 1-Mar. 31	11		
Atchison County	Mar. 1-31	9		
Atchison	Dec. 20-Apr. 30	7		
Barton County	Nov. 1-Apr. 30	8		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Mar. 31	56		
Butler County	Feb 1-Mar. 31	7		
Chautauqua County	Feb. 1-Apr. 30	32		
Cherokee County	Jan. 1-Apr. 30	31		
Clark County	Mar. 1-31	5		
Cowley County	Apr. 1-30	1		
Crawford County	Jan. 1-Mar. 31	9		
Pittsburg	Nov. 1-Apr. 30	132		
Decatur County	Jan. 1-Apr. 30	35		
Dickinson County	Apr. 1-30	3		
Doniphan County	Mar. 1-Apr. 30	29		
Douglas County	Mar. 1-Apr. 30	5		
Finney County	Feb. 1-Apr. 30	3		
Ford County	Jan. 1-Mar. 31	4		
Franklin County	Dec. 1-Apr. 30	6		
Greenwood	Feb. 1-Mar. 31	24		
Harvey County	Nov. 1-Mar. 31	6		
Jackson County	Nov. 1-Apr. 30	111		
Jefferson County	Dec. 1-Apr. 30	24		
Jewell County	Dec. 1-Mar. 31	30		
Labette County—				
Parsons	Jan. 1-Apr. 30	22		
Lane County	Jan. 1-31	4		
Lincoln County	Mar. 1-Apr. 30	2		
Linn County	Apr. 1-30	1		
Lyon County	Feb. 1-28	8		
McPherson County	Jan. 1-31	1		
Marion County	Mar. 1-31	1		
Marshall County	Jan. 1-Apr. 30	56		
Mitchell County	Feb. 1-28	2		
Montgomery County	Nov. 1-Apr. 30	32		
Nemaha County	Dec. 1-Apr. 30	6		
Ness County	Mar. 1-31	5		
Osage County	Feb. 1-Apr. 30	65		
Osborne County	Mar. 1-31	4		
Phillips County	Dec. 1-Mar. 31	9		
Pottawatomie County	Nov. 1-Apr. 30	85		
Pratt County	Dec. 1-Apr. 30	21		
Rawlins County	Mar. 1-31	20		
Reno County	Nov. 1-Jan. 31	4	1	
Republic County	Mar. 1-Apr. 30	6		
Riley County	Nov. 1-Apr. 30	34		
Rooks County	Jan. 1-31	3		
Saline County	Nov. 1-Apr. 30	61		
Scott County	Apr. 1-30	5		
Sedgwick County	Feb. 1-Apr. 30	10		
Wichita	Mar. 7-June 12	39		
Shawnee County	Nov. 1-Apr. 30	129		
Topeka	June 7-Apr. 3	128		
Sheridan County	Dec. 1-Apr. 30	16		
Smith County	Feb. 1-Mar. 31	8		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Mar. 31	11		
Thomas County	Jan. 1-Apr. 30	4		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Trego County	Apr. 1-30	1		
Wallace County	Jan. 1-31	2		
Wabaunsee County	Jan. 1-Mar. 31	8		
Wilson County	Nov. 1-30	5		
Wyandotte County	Apr. 1-30	1		
Kansas City	Jan. 3-June 12	85		
Total for State		1,494	1	
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Berea	Feb. 1-Apr. 2	20		
Covington	Dec. 29-June 12	39		
Fulton	Feb. 1-Mar. 22	27		
Georgetown	Dec. 2-Mar. 4	31		
Henderson	May 1-31	2		Jan. 1-June 30, 1908, 7 cases.
Lexington	Dec. 28-June 12	57		
Newport	July 1-June 6	74	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24-May 30	57		
Total for State		507	2	
Louisiana:				
Alexandria	Feb. 1-28	9		
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
Hammond	May 7	1		
New Orleans	Dec. 20-June 12	73		Mainly imported.
Shreveport	Jan. 1-20	32	1	
Winnfield	Jan. 1-Mar. 24	33		And vicinity.
Total for State		178	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-May 22	98		
Total for State		149		
Maryland	Mar. 18-21	10		House of Correction Bridewell.
Baltimore	Jan. 30-Feb. 6	1		
Total for State		11		
Massachusetts:				
Boston	Mar. 14-20	2		
Haverhill	Mar. 14-20	1		
Lawrence	Mar. 7-13	1		
New Bedford	Jan. 30-Mar. 13	3	1	
Northfield	Apr. 1-24	2		
Somerville	May 16-22	1		
Total for State		10	1	
Michigan:				
Adams County	Apr. 1-30	2		
Alcona County	Jan. 1-Mar. 31	10		
Allegan County	Jan. 1-Mar. 31	14		
Arenac County	Jan. 1-Mar. 31	13		
Bay County	Jan. 1-Apr. 30	9		
Barry County	Nov. 1-Dec. 23	5		
Berrien County	Jan. 1-31	5		
Cheboygan County	Dec. 1-Jan. 31	7		
Clinton County	Jan. 1-31	2		
Delta County	Nov. 1-Apr. 30	1		
Dickinson County	Mar. 1-31	1		
Eaton County	Dec. 1-Apr. 30	5		
Gladwin County	Feb. 1-Mar. 31	16		
Gogebic County	Feb. 1-28	1		
Gratiot County	Mar. 1-Apr. 30	5		
Huron County	Apr. 1-30	2		
Ingham County—				
Lansing	Dec. 1-Apr. 30	14		
Ionia County	Dec. 1-Jan. 31	4		
Iosco County	Jan. 1-Apr. 30	10		
Iron County	Feb. 1-Apr. 30	2		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Kalamazoo County	Dec. 1-31	3		
Kent County	Jan. 1-31	1		
Grand Rapids	Jan. 24-June 5	12		
Lapeer County	Dec. 1-Jan. 31	2		
Livingston County	Feb. 1-28	1		
Macomb County	Nov. 1-Apr. 30	7		
Manistee County	Nov. 1-30	2		
Marquette County	Mar. 1-Apr. 30	8		
Mecosta County	Mar. 1-31	3		
Menominee County	Dec. 1-31	1		
Midland County	Mar. 1-31	1		
Muskegon County	Nov. 1-Apr. 30	30		
Newaygo County	Jan. 1-31	2		
Oceana County	Feb. 1-Apr. 30	30		
Ogemaw County	Jan. 1-Apr. 30	90		
Ontonagon County	Apr. 1-30	2		
Osceola County	Mar. 1-Apr. 30	10		
Ottawa County	Jan. 1-Apr. 30	3		
Presque Isle County	Mar. 1-31	1		
Roscommon County	Feb. 1-Mar. 31	32		
Saginaw County	Apr. 1-30	20		
Saginaw	Jan. 16-May 29	28		
St. Clair County	Nov. 1-Apr. 30	5		
Port Huron	Nov. 1-Apr. 30	4		
Schoolcraft County	Jan. 1-31	1		
Tuscola County	Jan. 1-31	14		
Wayne County—				
Detroit	Jan. 10-Mar. 27	7		
Wexford County	Dec. 31-Mar. 31	17		
Total for State		465		
Minnesota, general	Jan. 1-Feb. 28		3	
Anoka County	Jan. 18-Mar. 29	18		
Becker County	Dec. 7-Mar. 8	14		
Beltrame County	Dec. 15-May 24	5		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 30-May 10	22		
Carlton County	Apr. 19-26	2		
Carver County	Dec. 7-May 10	26		
Cass County	Oct. 12-Apr. 26	3		
Chippewa County	Nov. 3-Jan. 4	3		
Chisago County	Apr. 12-19	1		
Clay County	Jan. 25-Mar. 29	2		
Cottonwood County	Oct. 20-26	1		
Crow Wing County	Mar. 1-May 3	6		
Dakota County	Apr. 19-May 17	3		
Dodge County	Nov. 24-Feb. 1	3		
Douglas County	Feb. 22-Mar. 1	1		
Faribault County	Dec. 7-28	2		
Filmore County	Dec. 15-Mar. 13	19		
Freeborn County	Apr. 5-12	1		
Goodhue County	Apr. 19-26	1		
Grant County	Apr. 5-May 3	8		
Hennepin County	Oct. 6-May 3	27		
Minneapolis	Nov. 1-Apr. 30	116		
Houston County	Mar. 29-Apr. 26	7		
Hubbard County	Oct. 19-Apr. 26	64		
Jackson County	Dec. 7-Jan. 18	16		
Kandiyohi County	Dec. 15-Jan. 18	7		
Kittson County	Dec. 15-Jan. 12	2		
Lac qui Parle County	Nov. 2-Jan. 12	7		
Lake County	Mar. 8-May 10	4		
Lesueur County	Jan. 25-Feb. 1	1		
Lyon County	Nov. 16-Jan. 12	3		
McLeod County	Feb. 1-22	6		
Marshall County	Dec. 15-Jan. 12	1		
Meeker County	Apr. 19-26	1		
Millelacs	May 3-10	1		
Morrison County	Nov. 20-Mar. 15	53		
Mower County	Dec. 28-May 17	9		
Murray County	Apr. 26-May 3	1		
Nicollet County	Nov. 16-Mar. 1	57		
Nobles County	Feb. 15-May 10	5		
Norman County	Dec. 7-13	5		
Olmsted County	Jan. 18-May 3	9		
Ottertail County	Feb. 15-Apr. 26	5		
Pine County	Feb. 1-Apr. 26	15		
Pipestone County	Dec. 7-Mar. 15	10		
Polk County	Dec. 15-Mar. 27	13		
Ramsey County	Nov. 16-Apr. 19	7		
St. Paul	Nov. 1-Mar. 31	200		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Red Lake County	Dec. 22-Apr. 19	4		
Red Wood County	Jan. 12-Feb. 15	24		
Renville County	Dec. 1-May 3	4		
Rice County	Feb. 8-May 3	28		
Rock County	Jan. 12-May 24	15		
Scott County	Jan. 12-18	1		
St. Louis County	Dec. 15-Apr. 19	10		
Duluth	Nov. 9-June 4	33		
Sibley County	Dec. 7-May 10	42		
Stearns County	Nov. 9-May 10	54		
Steele County	Oct. 20-Jan. 12	11		
Stevens County	Nov. 9-Jan. 12	14		
Swift County	Apr. 5-12	2		
Todd County	Nov. 9-Apr. 21	23		
Traverse County	May 8-Apr. 12	2		
Wabasha County	Nov. 2-May 10	61		
Wadena County	Nov. 2-Apr. 19	43		
Waseka County	Oct. 26-May 10	49		
Washington County	Nov. 24-Feb. 22	2		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	4		
Winona	Dec. 1-May 24	25		
Wright County	Feb. 15-May 10	6		
Yellow Medicine County	Oct. 20-Jan. 18	2		
Total for State		1,256	3	
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-June 5	27		
Kirksville	Nov. 1-Jan. 31	96		
Liberty	Jan. 15-Mar. 11	20		
Neosho	Mar. 15	6		
Rich Hill	Dec. 5-31	4		
St. Joseph	Dec. 1-Apr. 3	2		
St. Louis	Dec. 20-May 29	32		
Springfield	Nov. 1-Feb. 28	3		
Total for State		190		
Montana:				
Beaverhead County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cascade County	Nov. 1-Mar. 31	14		
Great Falls	Apr. 25-May 1	1		
Choteau County	Jan. 1-Feb. 28	4		
Dawson County	Dec. 31-Apr. 30	33		
Deer Lodge County	Apr. 1-30	3		
Fergus County	Dec. 31-Mar. 31	35		
Flathead County	Nov. 1-Apr. 30	3		
Gallatin County	Nov. 1-Apr. 30	27		
Bozeman	Nov. 1-Mar. 31	19	1	
Granite County	Jan. 1-Mar. 31	7		
Jefferson County	Nov. 1-30	4		
Lewis and Clark County	Mar. 1-31	1		
Madison County	Dec. 1-31	2		
Meagher County	Mar. 1-31	1		
Missoula County	Jan. 1-31	12		
Missoula	Jan. 1-Apr. 30	6	1	
Park County	Jan. 1-Apr. 30	18		
Livingston	Apr. 1-30	7		
Powell County	Jan. 1-Feb. 28	15		
Ravalli County	Nov. 1-Apr. 30	22		
Sanders County	Jan. 1-Feb. 28	11		
Silverbow County	Nov. 1-Apr. 30	40	1	
Butte	Mar. 16-June 10	73		
Yellowstone County	Nov. 1-30	1		
Billings	Jan. 1-Mar. 31	2		
Total for State		364	3	
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1-Apr. 30	46		
Polk	Mar. 20-Apr. 28	14		And vicinity
South Omaha	Dec. 20-May 22	17		
Total for State		78		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
West Lebanon	Jan. 15-Feb. 7	2		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21-May 8	16		
Haddonfield	Mar. 26-27	2		
Hightstown	Mar. 3	1		
Hoboken	June 5	1		
Lodi	Apr. 15	1		
New Brunswick	Mar. 7-May 22	12		
Paterson	Mar. 16-Apr. 2	8		
Perth Amboy	Mar. 4-Apr. 29	30		
Plainfield	Mar. 7-Apr. 10	6		
Trenton	Apr. 25-May 1	2	1	
Woodbridge	Mar. 6-26	1		
Total for State		80	1	
New York, general	Nov. 1-Apr. 30	262	3	Including Amsterdam, Bridgeport, Broome, Cicero, Gardiner, and Middleburg.
Buffalo	Feb. 14-Mar. 20	4		
Little Falls	Apr. 10-May 8	4		
Mohawk Valley				Year 1908. 1 death.
New York	Feb. 21-June 12	7	1	
Niagara Falls	Feb. 7-May 1	2		
Rome	Jan. 1-31	1		
Schenectady	Feb. 7-13	1		
Syracuse	Jan. 9-31	3		
Total for State		284	4	
North Carolina:				
Ashe County	Jan. 1-31	7		
Bertie County	Nov. 1-Mar. 31	4		
Caldwell County	Mar. 1-31	90		
Camden County	Jan. 1-Feb. 28	50		
Catawba County	Nov. 1-Dec. 31	4		
Cherokee County	Mar. 1-31	1		
Craven County	Feb. 1-Mar. 31	12		
Currituck County	Nov. 1-Jan. 31	34		Present in February and March.
Duplin County	Dec. 1-Mar. 31	78		
Edgecombe County	Dec. 1-31	1		
Forsyth County	Feb. 1-Mar. 31	23		
Harnett County	Feb. 1-Mar. 31	20		
Johnston County	Nov. 1-Mar. 31	35		
Jones County	Jan. 1-Mar. 31	43		
Lee County	Feb. 1-Mar. 31	14		
Lenoir County	Dec. 1-Feb. 28	60		
Lincoln County	Dec. 1-31	1		
Madison County	Jan. 1-Feb. 28	7		
Martin County	Feb. 1-28	9		
Mecklenberg County—Charlotte	May 8-14	1		
Nash County	Jan. 1-Mar. 31	5		
New Hanover County—Wilmington	Jan. 22-Mar. 1	4		Imported.
Onslow County	Mar. 1-31	6		
Pasquotank County	Nov. 1-Mar. 31	146		
Perquimans County	Mar. 1-31	3		
Pitt County	Jan. 1-Mar. 31	3		
Rowan County	Feb. 1-Mar. 31	2		
Sampson County	Jan. 1-Feb. 28	31		
Scotland County	Jan. 1-Mar. 31	12		
Wake County	Mar. 1-31	1		
Warren County	Feb. 1-Mar. 31	8		
Wayne County	Jan. 1-Mar. 31	30		
Yancy County	Mar. 1-31			Present
Total for State		745		
North Dakota	July 1-Feb. 19	168		
Ward County	Jan. 12-Mar. 31	27		
Sherwood	Jan. 12-Mar. 31	46		
Total for State		241		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ohio, general	June 14–Jan. 2	337		
Ashtabula	Apr. 11–May 29	12		
Cincinnati	Dec. 12–June 11	269	2	
Cleveland	Feb. 28–June 11	7		
Columbus	Dec. 26–May 29	19		
Conneaut	Mar. 1–Apr. 29	3		
Dayton	Jan. 24–Feb. 20	5		
Eaton	May 3	1		
Geneva	Apr. 20	7		
Hillsboro	Apr. 14–June 2	61		
Massillon	May 10–16	1		
Newark		3		Year 1908.
Plain City	May 1–June 10	74		
Salineville	Apr. 5–June 11	46		1908, 6 cases.
Sandusky	May 9–15	1		
Tiffin	Jan. 3–23	2		
Toledo	May 2–8	1		
Warren	May 2–8	1		
Total for State		850	2	
Oregon:				
Clackamas County	Sept. 1–Feb. 28	6		
Columbia County	Jan. 1–31	6		
Harney County	Sept. 1–30	1		
Hood River County	Jan. 1–31	4		
Jackson County	Oct. 1–Dec. 31	9		
Lane County	Dec. 1–31	10		
Linn County	Sept. 1–Oct. 31	5		
Marion County	Sept. 1–Feb. 28	16		
Multnomah County	Dec. 1–31	5		
Portland	Nov. 1–Mar. 31	100		
Polk County	Sept. 1–Feb. 28	14		
Tillamook County	Oct. 1–31	1		
Umatilla County	Sept. 1–Jan. 31	9		
Wallowa County	Oct. 1–Feb. 28	8		
Washington County	Oct. 1–Feb. 28	39		
Yamhill County	Sept. 1–Feb. 28	19		
Total for State		252		
Pennsylvania:				
Bullis Mills	Apr. 29–May 19	9		Vicinity of Eldred.
Gracedale	Oct. 24	1		
Harmony	June 15	1		
Harrisburg	Dec. 18–Jan. 20	3		
New Castle	Feb. 1–28	2		
New Kingstown	Dec. 29			Present.
Philadelphia	Dec. 10–May 21	2		
Pittsburg	Dec. 13–May 22	2		Imported.
Prompton	Jan. 2–Feb. 10	3		
Total for State		23		
South Carolina:				
Winnsboro	Feb. 1–28	5		
Yorkville	Mar. 10–Apr. 26	14	8	And vicinity.
Total for State		19	8	
South Dakota:				
Aberdeen	May 1–Jan. 31	43		
Total for State		43		
Tennessee:				
Fayette County	Dec. 1–Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28–June 12	44		
Memphis	Jan. 1–Mar. 13	190	1	
Murfreesboro	Mar. 15–31	1		
Nashville	Dec. 20–May 29	49		
Polk County	Jan. 22	30		
Total for State		617	1	
Texas:				
Corpus Christi	Apr. 2			Present.
Cost	Oct. 1–Dec. 19			Do.
Cotulla	Jan. 25–Feb. 17			Do.
Denton County	Jan. 1–Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10–June 15	9	1	
Falfurrias	Dec. 26	12		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Deaths.
Texas—Continued.				
Fort Worth		256		Year 1908.
Do	Feb. 1–May 31	49	2	
Galveston	Mar. 6–June 11	10		
Goliad County	Dec. 1–Jan. 20	25		
Hidalgo County	Jan. 30–May 1	16		
Houston	Jan. 1–Mar. 27	9		
Laredo	Dec. 26–Mar. 19	6		
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–June 12	122	1	
San Augustine County	Jan. 5			Do.
Waco	May 21	4		Imported.
Total for State		527	4	
Utah:				
Beaver County	Feb. 1–28	2		
Carbon County	Feb. 1–28	1		
Cache County	Jan. 1–Apr. 30	77		
Davis County	Nov. 1–Apr. 30	40		
Emery County	Feb. 1–28	4		
Garfield County	Dec. 1–Apr. 30	48		
Millard County	Jan. 1–Mar. 31	9		
Salt Lake County	Dec. 1–Mar. 31	170		
Salt Lake City	Dec. 1–May 31	427	1	
Sanpete County	Dec. 1–Apr. 30	6		
Sevier County	Jan. 1–Mar. 31	88		
Summit County	Dec. 1–Apr. 30	33		
Tooele County	Apr. 1–30	3		
Utah County	Dec. 1–Apr. 30	5		
Weber County	Nov. 1–Feb. 28	26		
Total for State		939	1	
Vermont:				
Brattleboro	Dec. 5–Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor Township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lithia	Mar. 1–Apr. 28	100		And vicinity.
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Portsmouth	Apr. 21–May 25	7	2	
Richmond	Mar. 14–June 5	8	1	Death in county hospital.
Total for State		125	3	
Washington:				
Bellingham	Jan. 25–Mar. 23	10		
Camas	Dec. 29–Mar. 8	18		
Colville Indian Reservation	Feb. 15–Apr. 6	118	3	
Seattle	Oct. 1–Apr. 30	34		
Spokane	Dec. 6–June 5	57	1	
Tacoma	Dec. 14–June 13	75		
Walla Walla	June 5	1		
Total for State		313	4	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville	Jan. 1–31			Present.
St. Albans	Feb. 16–Apr. 12	19		
Weston	Jan. 15–Feb. 13	1		
Wheeling	May 9–June 5	4		
Total for State		25		
Wisconsin:				
Adams County	July 1–Sept. 30	3		
Ashland County	Oct. 1–Dec. 31	4		
Barron County	July 1–Dec. 31	41		
Buffalo County	Oct. 1–Dec. 31	1		
Chippewa County	July 1–Dec. 31	28		
Columbia County	Oct. 1–31	18		
Dane County	July 1–Sept. 30	1		
Dodge County	July 1–Sept. 30	1		

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Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin—Continued.				
Douglas County	July 1-Dec. 31	49		
Superior	Apr. 25-May 1	3		
Dunn County	July 1-Dec. 31	4		
Fond du Lac County	July 1-Dec. 31	6		
Green County	July 1-Dec. 31	4		
Iron County	July 1-Sept. 30	2		
Juneau County	Oct. 1-Dec. 31	2		
Kewaunee County	July 1-Sept. 30	1		
La Crosse County—				
La Crosse	Dec. 13-June 5	51		
La Fayette County	Oct. 1-Dec. 31	1		
Manitowoc County	Oct. 1-Dec. 31	33		
Manitowoc	Dec. 13-Feb. 27	14		
Marathon County	July 1-Sept. 30	2		
Marinette County—				
Marinette	May 23-June 12	2		
Milwaukee County—				
Milwaukee	Dec. 6-June 14	206		
Monroe County	July 1-Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6-Apr. 17	3		
Ozaukee County	July 1-Sept. 30	3		
Pierce County	July 1-Dec. 31	37		
Polk County	July 1-Dec. 31	4		
Racine County	Oct. 1-Dec. 31	1		
Racine	Mar. 21-Apr. 10	6		
Richland County	Oct. 1-Dec. 31	1		
Rusk County	July 1-Sept. 30	3		
Sheboygan County	July 1-Dec. 31	123		
St. Croix County	Oct. 1-Dec. 31	12		
Vernon County	Oct. 1-Dec. 31	6		
Total for State		688		
Grand total for the United States		13,851	59	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Allentown, Pa.	May 15	35,416	13	1	1	1	1	10	1		1			1	
Do	May 22	35,416	11			1		12	1	3				1	
Do	May 29	35,416	16	12	2	2		8		2	1				
Do	June 5	35,416	14		2	2		7		4					
Do	June 12	35,416	12	1	3	2		5				1			
Altoona, Pa.[a]	May 15	38,973	11		1			4		3					
Do	June 12	38,973	9	1	1	1		2							
Ann Arbor, Mich	do	14,509	4		1							2			
Appleton, Wis	May 8	15,085	7					1							
Ashtabula, Ohio	June 12	12,949	4	2	2										
Baltimore, Md	do	508,957	163	19	17	11	1	4	1	10	2	76	4	14	5
Bath, Me	do	10,477										10			
Bayonne, N. J	do	32,722						3		3		2			
Berkeley, Cal	June 5	13,214	7									1		1	
Biddeford, Me	June 12	16,145	5												
Biloxi, Miss	do	5,467	2			1									
Binghamton, N. Y	May 29	38,647	19	2	3			2	1			5			
Do	June 5	38,647	19		1							2	1		
Do	June 12	38,647	12		1					1		6			
Boston, Mass	do	560,892	185	57	11	8		37	2	44	3	69		7	1
Braddock, Pa	do	15,654	7			1		1				1		1	
Bradford, Pa	May 29	15,029	4							1					
Do	June 12	15,029	5					2							
Bridgeport, Conn	do	70,996	18	1						2		1			
Brockton, Mass	do	40,063	10		2	1				2		5	1		
Butler, Pa	June 9	10,853	4	4				1							
Butte, Mont	June 10	30,470	11					7	1						

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cambridge, Mass	June 12	91,886	29	8	2			4		2		17		1	
Camden, N. J	...do	75,935	29	2						4	1	4			
Camden, S. C	...do	2,441	4		1							4			
Carbondale, Pa	...do	13,536	5												
Chelsea, Mass	...do	34,072	9	1				6	1	2		7			
Chicago, Ill	...do	1,698,575	544	64	70	28	3	89	7	83	15	455	11	34	2
Chicopee, Mass	...do	19,167	6					1							
Cincinnati, Ohio	June 11	325,902	94	21	8	2		4		1		15		4	
Cleveland, Ohio	...do	381,768	126	28	9	3		10		8	2	114	1	16	1
Clinton, Mass	June 12	13,667	5	1	1					5					
Columbus, Ga	...do	17,614	5		1										
Columbus, Ohio	...do	125,560	50	11	6	1		8		1		5		1	
Concord, N. H	June 5	19,632	11	1	1			3		5	1	46			
Council Bluffs, Iowa	June 14	25,802	9		1					2		2			
Covington, Ky	June 12	42,938	11		2	2	1								
Danville, Ill	June 13	16,534	6		1			2							
Davenport, Iowa	...do	35,254						1		1				1	
Dayton, Ohio	June 12	85,333	31		2			3		4	1	57	1		
Detroit, Mich	...do	285,704	115					10		10					
Duluth, Minn	June 11	80,000	21	5			1	22	2	10	1	20			
Dunkirk, N. Y	June 12	11,616	1	1											
Elmira, N. Y	...do	35,672	9					3		4		4			
El Paso, Tex	June 15	15,905	27		11	2				1		2		2	1
Elkhart, Ind	June 12	15,184	3	1	1					1					
Erie, Pa	June 5	52,733	24	5	2	1		2		3	1	124	4	17	3
Evansville, Ind	June 12	59,007	17		1	4	1					1			
Everett, Mass	...do	24,336	8	1	2			1		3	1	4			
Fall River, Mass	...do	104,863	23	11	4	4		5		3		4			1
Findlay, Ohio	...do	17,613	3		1										
Galesburg, Ill	...do	18,607	5					2		1					
Galveston, Tex	June 11	37,789	10	2	1	3		4		1					
Glens Falls, N. Y	June 12	13,543	2	3								7			
Gloucester, Mass	...do	26,121	6												
Greensboro, N. C	...do	10,035	1			1									1
Greenville, S. C.[a]	May 15	11,860	3									2		1	
Do	June 12	11,860	2									2			
Hammond, Ind	...do	12,376	4												
Harrison, N. J	...do	10,596	3					2							
Hartford, Conn	June 13	79,850	25	4	4	2		1		7		1			
Haverhill, Mass	June 12	37,175	12	1	1			2		2		5		1	
Hoboken, N. J	June 11	59,364						5		1		2		1	
Homestead, Pa	June 7	12,554	2			1						10		2	
Hyde Park, Mass	June 12	13,244	2	2	1					2					
Indianapolis, Ind	June 13	169,164	46		6	1	1	1		3		67			
Jacksonville, Fla	June 12	28,429	23		2	5	2		3	1					1
Jersey City, N. J	June 13	206,433	59				1	26	3	8		9			3
Johnstown, Pa	June 12	35,936	12		2	1		6			1	18		1	
Kalamazoo, Mich	...do	24,404	19	1	2	1		1		2		24		8	1
Kansas City, Kans	...do	51,418	15		1			3	1			17		1	
Kansas City, Mo	...do	163,752	47		6			9		2	1	6		2	
Kearny, N. J	...do	10,896	4	2	2										
Kingston, N. Y	...do	24,535	4		1										
Knoxville, Tenn	...do	32,637	16	3		2	2					2		2	1
La Crosse, Wis	...do	28,895	8												
Lafayette, Ind	June 14	18,116	4		1										
Lancaster, Pa	June 12	41,459	17		2	4	1	3		1		17			
Lawrence, Mass	...do	62,559	17		6	2		2	1	3		35	1		
Lebanon, Pa	...do	17,628	7	9			1					8			
Lexington, Ky	...do	26,369	9		3			2				1			
Los Angeles, Cal	June 5	102,479		16	17	2		6	2	5		2			
Lowell, Mass	June 12	94,969	26	5	5	2		3		4		1			
McKeesport, Pa	May 8	34,227	13		1	2	1			1		4		37	
Do	May 15	34,227	12	5	2	2				1		3		12	
Do	May 22	34,227	15	1		4	1	1						9	
Do	May 29	34,227	8	1		3				2		1			
Macon, Ga	June 13	22,746	13		3										
Malden, Mass	June 5	33,664	8	2	1			7		2		4			
Manchester, N. H	June 12	56,987	13	2	2			2		1		31			
Manitowoc, Wis	May 22	11,786	2												
Mansfield, Ohio	June 12	17,650						1							
Marinette, Wis	...do	16,195	2			1		3		2					
Massillon, Ohio	...do	11,944	1												
Medford, Mass	...do	18,244	6	1						3		19			

[a] Reported out of date.

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Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Milwaukee, Wis	June 14	285,315	92	17	5	16		18	3	8	2	98	7	1	
Mobile, Ala	June 5	38,469	17	5	5	21				1					
Montclair, N. J	June 12	13,962	8	1					1			2		2	
Montgomery, Ala	June 11	30,346	21		4										
Moline, Ill	June 13	17,248	3					3							
Morristown, N. J	do	13,000	4					3				3			
Mount Vernon, N. Y.	June 12	21,228	6		1					1	1	4			
Muncie, Ind	do	20,942	3	1		1		1				1			
Nanticoke, Pa	June 14	12,616	2												
Nashville, Tenn	June 12	80,865	53	4	1	12	2					1			
Nebraska City, Nebr.	do	7,200	4									11			
Newark, N. J	do	246,070	83		13			32	1	15					
New Bedford, Mass.	do	63,442	25	4	1	1		14		2	1	4			
Newburyport, Mass	do	14,478	4			2									
New London, Conn	June 5	17,548	1			2									
Do	June 12	17,548	2		1	2									
New Orleans, La	do	278,104	135	18	21	15	1	36	1	5	2	1			1
Newport, Ky	do	28,301	5		1			2							
Newton, Mass	do	33,587	11		2			1		1		29			
New York, N. Y	do	3,437,202	1,263	527	180	27	4	246	27	270	32	1,431	39	88	7
Niagara Falls, N. Y.	do	19,457	13	3		6		6							
North Adams, Mass.	do	24,200	8		1										
Northampton, Mass.	May 1	18,643	8									28			
Do	May 8	18,643	10	1						1		8			
Do	May 15	18,643	12	2	1					1		53			
Do	May 22	18,643	10	1	2							9			
Do	May 29	18,643	5	3	2			1				12			
Do	June 12	18,643	6									6			
Oakland, Cal	June 7	66,960	30	4	3	1		8		4		5			
Orange, N. J	June 12	24,141	3	1				5		1		3			
Ottumwa, Iowa	do	18,197	5												
Palmer, Mass	June 5	7,801	4	1	1			2							
Do	June 12	7,801						1				6			
Peekskill, N. Y	do	10,358	4	1	2							20			
Perth Amboy, N. J.	May 6	15,473	7					2		1		1			
Do	May 13	15,473	3					2							
Do	May 20	15,473	6				1			1					
Do	May 27	15,473	7	1				3		1					
Pittsburg, Pa	June 12	321,616	146	46	10	16	3	11		3		15	1	36	
Pittsfield, Mass	do	21,766	5	1	1			3				1			
Plainfield, N. J	do	15,369	7	2	2	1		4				4			
Plymouth, Pa	do	13,649		1								1			
Pottstown, Pa	do	17,427	4												
Providence, R. I	do	175,597	53	41	5			5		7		11	2		2
Racine, Wis	do	29,102	7							2					
Reading, Pa	June 14	78,961	21	1	3	6		2		2					
Richmond, Va	June 12	85,050	45	5	4	5				1		5		4	
Rockford, Ill	do	31,051						1		1					
Saginaw, Mich	May 29	42,345	11	1	1	1						5			
Do	June 5	42,345	15	1	1	2	2					5			
St. Louis, Mo	June 12	575,238	184	28	21	6	1	12	5	21		196	3	10	1
San Antonio, Tex	do	53,321				3				2					
Sandusky, Ohio	May 22	19,664	8				1								
Do	May 29	19,664	9		1		1	2				2			
San Francisco, Cal	June 5	342,782	140	15	16	4	2	9		10	3	41	1	8	2
San Jose, Cal	May 22	21,500	6												
Do	May 29	21,500	16	2	2										
Do	June 5	21,500	9	1	1										
Schenectady, N. Y.	June 12	31,682	12	3				1		4					
Shamokin, Pa	do	18,202	4	1	1							4			
Somerville, Mass	do	61,643	20	7	2	2		2	1	13		32			
South Bend, Ind	do	35,999	15	3		1		5				2	1		
South Bethlehem, Pa	do	13,241	6									18			
South Omaha, Nebr.	May 15	26,001								2					
Do	May 22	26,001						4	1	2					
Do	May 29	26,001						1		1					
Do	June 5	26,001								1					
Do	June 12	26,001								1					
Spokane, Wash	June 5	38,848	25		1	2		20	1	5		9			
Springfield, Mass	June 12	62,059	22	2					4		1	38			
Springfield, Ohio	do	38,253	7	3	2										
Steelton, Pa	do	12,068	2					2				1			
Superior, Wis	do	31,091	11					6	1						

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Weekly morbidity and mortality table, cities of the United States—**Continued.**

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Tacoma, Wash	June 6	37,714	14		3			6		1		1			
Taunton, Mass	June 12	31,036	13	1								19			
Terre Haute, Ind	do	36,673	23		7		1	1		2		5			
Titusville, Pa	do	8,244	2												
Trenton, N. J	do	73,307		8	1	5	1	4							
Walla Walla, Wash	do	10,049	2	1				2							
Waltham, Mass	do	23,481	7		1			2		1		16		1	
Warren, Pa	June 7	8,043	2			1		3				4			
Do	June 14	8,043	4					2				1			
Washington, D. C	June 12	278,718	92	32	14	5	1	15		5	1	34	1	15	
Weymouth, Mass	do	11,324	6		1					1		2	1		
Wheeling, W. Va	do	38,878	14	3	2	2					1	1			
Wichita, Kans	May 27	24,671						2				22			
Do	June 12	24,671						1		2		4			
Wilkes-Barre, Pa	June 11	51,721	21	8	1	1		1				35		1	
Wilkinsburg, Pa	June 14	13,000										1		1	
Williamsport, Pa	June 12	28,757	11		1			7		1					
Wilmington, Del	do	76,508	21		1		1								
Winona, Minn	June 15	19,714	5		1				2						
Woburn, Mass	June 12	14,254	5	2				1							
Worcester, Mass	June 5	118,421	42	7	4	2	1	2	1	3		2		1	
Do	June 12	118,421	39	2				9		4	1	8		1	
Yonkers, N. Y	June 10	47,931	22		3	1	1	9		3		10			
York, Pa	June 12	33,708		5				1		1		5			
Zanesville, Ohio	do	23,538	5		1	5				1					

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FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

PLAGUE.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, June 3, 1909.]

Italy.—May 18. Quarantine declared against arrivals from the port of Azov, on the Black Sea.

May 24. Singapore declared cholera infected.

ALGERIA.

Deratization at Algiers and other localities—Rat fleas.

The following is taken from the *Bulletin Bimensuelle*, Algiers, May 15:

Algiers.—May 1–15: Rodents taken by the maritime sanitary service, 826; examined by the laboratory of health, 46; result, negative. Classification of rats: *Mus norvegicus*, 691; *Mus rattus*, 129; *Mus alexandrinus*, 4; *Mus musculus*, 72.

RAT FLEAS. *Ctenopsylla musculi* on *Mus norvegicus*, 21.

Bona.—Month of April: Rodents taken, 401; examined, 171.

Bougie.—Month of March: Rodents taken, 29; examined, 17; result, negative. The rodents taken were from the wharves.

Dellys.—Month of April: Rodents taken: 51 in the city; 54 on the wharves. Total 105.

Oran.—Month of April: Rodents taken, 906; examined, 258; result, negative.

Philippeville.—Month of April: Rodents taken, 53; examined, 26; result, negative.

AUSTRALIA.

Examination of rodents for plague infection in Queensland.

The following is taken from the bulletin received from the department of public health of Queensland:

Brisbane.—Week ended May 8: Number of rodents destroyed, 517; examined, 413; found infected, 0.

Date of last plague-infected rat, September 15.

BARBADOS.

Reports from Bridgetown—Inspection and fumigation of vessels—Status of yellow fever in island—Fumigation in infected districts—Quarantine against Trinidad on account of plague.

Acting Assistant Surgeon Urquhart reports, June 5 and 12:

Week ended June 5. Bills of health issued to 8 vessels, of which 3 were fumigated—116 passengers and 298 members of crews.

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Sanitary condition of vessels, cargoes, crews, and passengers, good.

No new yellow fever cases or deaths were reported during the week.

The sanitary condition of the port remains good. Sanitary regulations are rigidly enforced. The government has been officially notified since May 29, of the existence of a case of plague in Trinidad. The usual quarantine will be enforced in consequence.

Week ended June 12. Bills of health issued to 7 vessels, of which 2 were fumigated—74 passengers and 332 members of crews.

Sanitary condition of vessels, cargoes, crews, and passengers, good.

Three new cases of yellow fever were reported during the week, all negroes. These cases all occurred in St. Joseph's parish, about 15 miles north of Bridgetown, where most of the fever cases have occurred during this season. The central board of health has decided to send inspectors at once to the infected district and begin a more thorough system of fumigation of houses and cleaning up of premises to rid the district of infection. The health of this port is good.

CHINA.

Report from Amoy—Cholera.

The following information is received from the consular office, through the Department of State, June 19:

Cholera, Amoy.

Reports from Hongkong—Quarantine restrictions—Plague and smallpox—Examination of emigrants—Inspection of vessels.

Temporary Acting Assistant Surgeon Gröne reports:

Weeks ended April 10 and 24 and May 1. Restrictions enforced by Hongkong remain as reported April 3.

Quarantinable diseases.—Week ended April 10. Plague, 1 case; smallpox, 2 cases. Week ended April 24. Plague, 5 cases, 1 death; smallpox, 1 case. Week ended May 1. Plague, 7 cases, 7 deaths; smallpox, 1 case, 1 death.

Inspection of vessels.—Week ended April 10: 5 steamships. Week ended April 24: 8 steamships. Week ended May 1: 6 steamships.

Aliens for Honolulu and Pacific coast ports.—Week ended April 10. Examined, 9; rejected, 4. Week ended April 24. Examined, 26; rejected, 18. Week ended May 1. None.

Aliens for Philippine Islands.—Week ended April 10. Examined, 14; rejected, 10. Week ended April 24. Examined, 11; rejected, 8. Week ended May 1. Examined, 7; rejected, 6.

No reports for week ended April 17 received.

Method employed at Hongkong for the prevention and destruction of rats on vessels.

Acting Assistant Surgeon Hough, on leave in the United States, reports, June 18:

The following is a report on the methods enforced in Hongkong, China, for the prevention and destruction of rats on vessels bound

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from that port to places in the United States or the Philippine Islands:

All vessels on the regular routes between Hongkong and United States ports are required to undergo, while empty, sulphur fumigation every 6 months.

All vessels dry docking in Hongkong are fumigated after leaving the dock.

All occasional or tramp vessels calling at Hongkong from any port in China must be fumigated before a bill of health is granted.

During the past year many of the vessels have been disinfected at San Francisco, and when this was done, and a certificate from the medical officer of the service produced, the fumigation was waived at Hongkong.

The Nippon Yusen Kaisha, a Japanese line plying regularly between Hongkong and Seattle, require their vessels to be fumigated on every trip, i. e., about once in 3 months. This is the company's regulation, but this office is requested to supervise it.

There are 3 steamship lines running vessels from Japan to Australia via Hongkong and Manila, and these vessels are fumigated each trip, either in Japan or Australia, as is required by the Australian government.

One line of vessels, the Arthur Holt Steamship Company, plies between England and Seattle via the Malay Straits and China and Japan. All of these vessels are fumigated when empty in Liverpool, and always have a certificate of disinfection from the United States consul.

When the systematic fumigation was started about 4 years ago great numbers of rats were killed on every vessel. Now, however, the number found on the regular steamships is very small, showing that the fumigation is effective.

Very few of the vessels go alongside the wharf in Hongkong. This is fortunate, as the usual method of using rat guards on the lines is, in the majority of cases, not efficient.

Report from Swatow—Cholera and plague in vicinity.

Consul Pontius reports, April 17 and 24, and May 1, 8, and 15:

Bubonic plague is increasingly prevalent in the outlying districts. April 24, 5 districts were reported infected, with a total of 200 deaths; May 1, 12 districts, with a total of 1,500 deaths; May 8, a total of 2,000 deaths was reported, with 2 new districts infected; and May 15, 50 deaths were reported in 1 district.

Cholera was reported present, with several deaths, in the vicinity of Swatow May 1.

COSTA RICA.

Report from Limon, fruit port.

Acting Assistant Surgeon Goodman reports:

Week ended June 5. Estimated population, 8,000. General sanitary condition of this port and the surrounding country during the week, good.

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Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 29	Bertha	New Orleans via Santa Marta.	24	0	0
30	Heredia	Boston	78	11	0
30	Appamattox	New Orleans	47	0	3
30	Grib	New York via Port Antonio, Jamaica.	19	0	0
31	Sarnia	New York	55	21	3
June 2	Abangarez	New Orleans	85	9	33
4	Origen	Mobile	24	2	0
5	Oracabessa	New Orleans	46	0	0

CUBA.

Reports from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, June 10 and 14:
Week ended June 5.

Vessels inspected	5
Bills of health issued	5
Members of crews inspected	134

No quarantinable disease has been reported.
Week ended June 12:

Bills of health issued	4
Vessels inspected	4
Members of crews inspected	126

The sanitary condition of the city and port continues satisfactory, no quarantinable disease having been reported during the week.

Report from Habana—Inspection of vessels—Enteric fever on steamship Times, from Mobile.

Passed Assistant Surgeon Amesse reports, June 15:
Week ended June 12.

Bills of health issued	25
Vessels inspected	20
Members of crews of outgoing vessels inspected	987
Passengers of outgoing vessels inspected	544

No cases of quarantinable diseases have been reported to the national sanitary department during this period.

The Norwegian steamship *Times*, employed in the freight service between Mobile and Habana, arrived June 7 with a case of enteric fever on board. This being the second case of enteric fever removed from this vessel in 2 weeks, the water tanks were discharged and the captain was directed to disinfect them with live steam before taking on water from Habana. Prior to this drinking water was supplied at Mobile.

Temperatures are recorded of all nonimmune passengers bound for southern ports and persons with readings of 38° C. are rejected.

No reports of house-to-house inspection have been received.

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Case of yellow fever at Habana on steamship Fürst Bismarck from Veracruz.

Doctor Amesse further reports, under date of June 21:

A case of yellow fever arrived at Habana on the steamship *Fürst Bismarck* from Veracruz.

The patient was a Spaniard from Puebla, Mexico, who was said to have spent six days in a lodging house near the wharves at Veracruz just prior to sailing. The disease developed on the third day out from Veracruz. Upon arrival the case was isolated at the Las Animas Hospital.

Report from Matanzas—Inspection of vessels—Mosquitoes.

Acting Assistant Surgeon Nuñez reports, June 14:

Week ended June 12. Bills of health issued to 8 vessels leaving for United States ports with an aggregate personnel of 236 crews and 12 passengers in transit. They were all in good sanitary condition.

Rainy weather prevailed throughout the week, and mosquitoes are notably increasing in number, notwithstanding the periodical oiling of their usual breeding places.

No quarantinable diseases have been reported.

Report from Santiago—Inspection of vessels—Leprosy.

Acting Assistant Surgeon Wilson reports, June 9:

Week ended June 5. Bills of health issued to 4 vessels bound for the United States and its dependencies. No vessel was fumigated. No quarantinable disease and no new case of infectious disease was reported. Three cases of leprosy previously reported still present.

The water supply is very bad.

GUATEMALA.

Report from Puerto Barrios, fruit port—Few Stegomyia.

Acting Assistant Surgeon Ames reports as follows:

Week ended June 5. Present officially estimated population, 350.

General sanitary condition of this port and the surrounding country during the week very good.

Few *Stegomyia calopus* present.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
June 1	Parismina	Colon	91	16	38
3	Preston	New Orleans	36	24	16
	Frutera	New York, via Bocos, Republic of Panama.	27	5	0

Temperature taken of all persons on steamship *Preston*, day of sailing.

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HONDURAS.

Report from Ceiba, fruit port—Local sanitary conditions improved.

Acting Assistant Surgeon Jumel reports:

Week ended June 9. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good. Local sanitary conditions improved. The governor has issued an order giving residents 48 hours to improve sanitary conditions on their premises and sidewalks.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
June 3	Orleanian	32	4	0	0
4	Joseph Vaccaro	32	0	0	0
5	Colombia	19	0	0	0
7	Katie	22	0	0	0
8	Viator	17	0	0	0

Temperature of all persons on above-named vessels taken at time of clearance.

Report from Puerto Cortez, fruit port—Anopheles numerous.

Acting Assistant Surgeon Wailes reports as follows:

Week ended June 8. Present officially estimated population, about 2,500. General sanitary conditions of this port and the surrounding country, good. Weather intensely hot and dry; *Anopheles* in great abundance; *Stegomyia* very rare. General health, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected
June 2	Imperator	21	1	0	0
2	Mercator	17	0	0	0
3	Fjell	17	0	0	0
5	Bodo	18	0	0	0
5	Frutera	26	0	0	0
9	Harry T. Inge	31	0	0	0
8	Katie	22	0	0	0
8	Aguella	17	2	0	0

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

Week ended June 5. Present officially estimated population, about 1,500. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
June 2	Imperator	New Orleans	21	0	0
4	Colombia	Mobile	19	0	0

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INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports May 20:

Week ended May 15. No transactions.

During the week ended May 8 there were 68 deaths from cholera, 255 deaths from plague, and 75 from smallpox in Calcutta.

In Bengal during the same week there were 338 cases of plague with 319 deaths.

In India during the weeks ended May 1 and 8, there were 5,282 cases of plague with 4,411 deaths, and 5,071 cases with 4,279 deaths, respectively.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports May 31:

Vessels inspected at Naples and Palermo, week ended May 29.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
May 23	Florida	New York	328	30	350
23	Antonio Lopez	do	355	25	320
25	San Giorgio	do	230	45	330
26	Ultonia	do			
26	Canopic	Boston	1,113	170	1,520
27	Italia	New York	271	30	350
28	König Albert	do	714	80	780
29	Taormina	Philadelphia	677	80	800
	Total		3,688	460	4,450

PALERMO.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
May 26	San Giorgio	New York	454	520	146
28	Italia	do	319	464	100
	Total		773	984	246

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
May 23	Florida	11		8		1	20
23	Antonio Lopez	16	5	7		5	33
25	San Giorgio	8	1	8			17
26	Ultonia						
26	Canopic	14	1	14	2	13	44
27	Italia	3	1	1		5	10
28	König Albert	10	1	4	1	5	21
29	Taormina	18	1	7		8	34
	Total	80	10	49	3	37	179

PALERMO.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
May 26	San Giorgio	19		27		4	50
28	Italia	20		15		5	40
	Total	39		42		9	90

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Smallpox in Naples.—Week ended May 30: 17 cases of smallpox with 4 deaths reported at the health office of the city of Naples.

Status of smallpox in Italy.—Week ended May 30: Lissone, 1; Binasco (Milan), 2; Ospedaletto (Avellino), 1; Aragona (Girgenti), 1; Serradifalco (Caltanissetta), 1.

JAPAN.

Reports from Yokohama—Inspection and fumigation of vessels—Plague—Inspection of hospital for infectious diseases.

Passed Assistant Surgeon Cumming reports, May 26:

During the week ended May 22 bills of health were issued to 5 vessels having an aggregate personnel of 550 members of crew, and 258 steerage and 310 cabin passengers.

The steamships *Woglinde* and *Pathan* from this port for New York via Manila and ports were fumigated throughout (except officers' quarters) for the purpose of destroying rats. The crews of nearly all of the vessels trading between Yokohama and New York via Suez are shipped at Singapore en route to New York; hence the crew treated here is not that which reaches the United States.

In addition to the above the *Minnesota*, with 193 cabin and 78 steerage passengers and 281 members of crew, was cleared for Seattle; the *China*, with 117 cabin and 180 steerage passengers and 159 members of crew, was cleared for San Francisco via Honolulu; and the schooner *Junho Maru*, with 17 members of crew, for Agana, Guam Island. Steerage passengers and crew embarking here were bathed and their effects disinfected and labeled as usual.

Another case of plague was discovered 2 days ago in a new focus near the creek just under the bluff where most of the Europeans live. This makes 11 cases and 8 deaths reported.

May 25 I visited and inspected the Manji hospital for infectious diseases for the city of Yokohama.

The hospital is in an inclosure of about 2 acres in the southeastern suburban portion of the city and on the main creek or canal, and is surrounded by a 6-foot close-board fence.

The buildings consist of a 2-story frame administration building, in which are quarters for the female nurses, resident physicians, 2, and 2 pharmacists, and from this building radiate covered (roofed) plank walks leading to the hospitals proper, which consist of about 6 one-story frame buildings.

These buildings are well raised above the ground, and are 1 room deep. On the south side of the building 10 rooms, each 12 by 12 feet, adjoin each other, and on the north side runs a 6-foot hall. The rooms are separated from the hall by sliding glass doors, and the outer walls are nearly all of glazed sash, so that the building is light and well ventilated throughout. The floors are bare and wooden beds are used. An end room is used as nurses' room.

The hospital is used for cases of plague, dysentery, smallpox, cholera, scarlet fever, enteric fever, and diphtheria, and I was shown cases of enteric fever, diphtheria, smallpox, bubonic plague, and dysentery. There were no cholera or scarlet fever cases under treatment.

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The plague ward is in the same compound and is not fenced off from the other wards, but there is a separate entrance for patients and washroom and watercloset.

The utmost care seems to be taken to prevent infection of doctors and nurses. Upon approaching the covered walk leading to the wards we were provided with white gowns with tight wristlets. Over the feet and legs are slipped heavy, close, cotton stocking and leggings in one piece, while over the nose and mouth are worn shields holding gauze. In making physical examination of plague pneumonia patients there are provided capes with hoods completely covering head, shoulders, and face. In the face of the hood mask are inserted glass eyepieces and wire gauze respirators.

The floors of the plague ward are kept wet with carbolic spray.

There were 4 bubonic plague cases shown us.

In the compound, but separated by a fence, are quarters for persons under observation and detention. These were occupied by about 150 contacts from the plague-infected areas.

The contacts are bathed and their clothes disinfected before admission. They sleep in rooms, one or more families being in one 12 by 12 room. They sleep on the native tatami or mats of heavy straw some 4 inches thick, covered by matting. The rooms are poorly lighted, like the homes of the poorest class.

A disinfection of these quarters would be impracticable unless they were drenched in a strong disinfecting solution.

A place for disinfection of clothing, etc., is provided, together with a building in which visitors may change their garments.

Report from Kobe—Inspection of vessels—Examination and disinfection of emigrants.

Acting Assistant Surgeon Knight reports, May 29:

Week ended May 22. Supplemental bills of health granted to 5 steamships and 1 original bill of health granted to 1 steamship.

There were inspected 226 members of crews and 212 steerage passengers. Seventy-three members of crews and 28 steerage passengers were bathed and disinfected and their effects were disinfected by steam. The number of pieces of baggage steamed was 236 and bedding 56. Manifests were viséed for 71,404 pieces of freight, amounting to 6,695 tons. One vessel was fumigated with sulphur to kill vermin, and her forecastle was washed down with antiseptic solution.

Emigrants were examined as follows: Steamship *Minnesota*, for Seattle, passed 25, recommended for rejection 13; steamship *China*, for Honolulu, passed 2, recommended for rejection 20; for San Francisco, passed 1, recommended for rejection 4.

Report from Nagasaki—Examination of emigrants.

Acting Sanitary Inspector Thompson reports, May 15: May 10, for Seattle, Wash., examined 10 aliens, passed 8, rejected 2. For Honolulu and San Francisco, passed 8, rejected 6. Rejections were for trachoma.

During the week ended May 15 there was no quarantinable disease present in the consular district.

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MEXICO.

Report from Coatzacoalcos—Inspection of vessels—Sanitary conditions—Mosquitoes.

Acting Assistant Surgeon Thompson reports, June 10:

Week ended June 9. Three vessels inspected.

No illness occurred on these vessels while in port and all on board were well when they sailed.

Malaria is the prevailing disease at the port, but the general health is good. The rainy season has begun and mosquitoes are more numerous. There have been no cases of quarantinable disease reported.

Report from Salina Cruz—No transactions.

Acting Assistant Surgeon Gochicoa reports, June 6:

Week ended June 5. No vessels fumigated at this port.

Report from Tampico—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Stowe reports, June 10:

Week ended June 9.

Vessels inspected and passed	5
Bills of health issued	5
Members of crews of outgoing vessels inspected	162
Passengers of outgoing vessels inspected	13
Vessels fumigated prior to sailing	0

No case of quarantinable disease has occurred during the week. The sanitary condition of port is good.

The weather continues hot and dry, and very few mosquitoes are present.

NICARAGUA.

Report from Bluefields, fruit port—Stegomyia.

Acting Assistant Surgeon Layton reports:

Ten days ended June 5. Present officially estimated population, 2,500. General sanitary condition of this port and the surrounding country during the week good. Marked increase in the number of mosquitoes has been noticed within the past week. The *Stegomyia calopus* especially is abundantly present. The coming of the rainy season has entirely relieved the water famine and has brought a plague of mosquitoes.

Bill of health issued to the following-named vessel:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
June 5	John Wilson	New Orleans	17	0	0

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PERSIA.

Report from Teheran—Further relative to plague on steamship at Bouchir.

The following information is taken from the bulletin of the sanitary council of Persia, dated May 3:

April 27. The chief of the sanitary service of the Persian Gulf reported to the council:

Steamship *Dumra* arrived at Bouchir from Bassorah April 26, with a history of 3 suspect plague deaths. One case entered at the lazaretto at Bouchir died four hours after admission of pneumonic plague. Pure culture of plague bacillii was obtained. All necessary measures have been taken. The cases occurred among members of the crew. The crew did not land at Bassorah, where the vessel was quarantined.

May 2. Another seaman from the crew of the *Dumra* died at the lazaretto at Bouchir April 30.

The sanitary officer for the Persian Gulf reports the sanitary condition of the Gulf ports to be satisfactory.

The city of Bassorah is declared clean, the infection having been imported from Bombay. The steamship *Dumra* came from Bombay. (See Public Health Reports, June 4, 1909, p. 792.)

PHILIPPINE ISLANDS.

Reports from Manila—Smallpox—Status of cholera in the provinces—Inspection of vessels.

Chief Quarantine Officer Heiser reports, May 4 and 12:

Week ended May 1, 8 cases with 1 death of smallpox were reported for the city of Manila.

During the week the following cases and deaths from cholera were reported from the provinces of the Philippine Islands:

Province.	Cases.	Deaths.
Bohol		1
Misamis	10	6
Pampanga	4	3
Sorsogon	2	1
Total	16	11

During the week consular bills of health were issued at the port of Manila as follows:

April 26 the British steamship *Lowther Castle*, with 52 members of crew and 1 passenger, en route from Surabaya to New York, was granted a supplemental bill of health, after the usual inspection of personnel and cargo. April 30, the British steamship *Falls of Nith*, with 37 members of crew, en route from Newport News to Cebu, Philippine Islands, was granted a supplemental bill of health.

Week ended May 8, 2 cases of smallpox were reported for the city of Manila.

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During the week the following cases and deaths from cholera were reported as having occurred in the provinces:

Province.	Cases.	Deaths.
Albay	5	5
Misamis	7	6
Pampanga	2	2
Occidental Negros	14	10
Total	28	23

No consular bills of health were issued.

Report from Iloilo—Cholera case on vessel Lolita.

Passed Assistant Surgeon Pettyjohn reports, May 1, through Chief Quarantine Officer Heiser:

April 11 one case of cholera appeared aboard lorcha *Lolita*, while in quarantine at Iloilo from Escalante. The case was transferred to the municipal board of health. The vessel was held in quarantine for an additional period and disinfected before being released.

PORTUGAL.

Report from Lisbon—Further relative to yellow fever cases from steamship Lanfranc.

Information received June 14 from Consul-General Aymé, through the Department of State, shows that 2 passengers suffering from yellow fever were landed at Lisbon from the steamship *Lanfranc*, en route from Para to Liverpool. They were promptly placed in quarantine. (See Public Health Reports, June 18, 1909, pp. 877 and 883.)

RUSSIA.

Report from Libau—Status of cholera in St. Petersburg—Examination of emigrants.

Acting Assistant Surgeon De Forest reports, June 4:

During the week ended June 1, 5 cases of cholera with 4 deaths were reported in St. Petersburg.

For steamship *Lituania*, sailing for New York, to-morrow, June 5, I have examined 1,058 emigrants, of which number about 800 will sail. All will have been in Libau, under observation, for 5 days. Two hundred pieces of baggage have been disinfected.

VENEZUELA.

Report from Caracas—New plague cases.

The following information is received from the American minister at Caracas, through the Department of State, under date of June 17:

Five additional cases of plague since last cable, June 9; 5 deaths in all.

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Measures to prevent spread of plague—Preventive inoculation—Destruction of rodents.

The American minister at Caracas reports, May 31, through the Department of State:

A decree of the municipality forbids any person to leave the federal district without being provided with a certificate of having been injected with Haffkine lymph. The minister for foreign affairs states that a decree is to be issued forbidding any travel in tramways or coaches without such certificate. Rats and mice are being purchased and many of these rodents have been burned. A force of over 100 men who have been injected with Haffkine lymph are at work cleaning the gullies that cross the city. Plague patients are immediately isolated and premises disinfected. The construction of the houses and other conditions make the question of sanitation in Caracas a very difficult one. Rats have been breeding for hundreds of years in the old houses. The people here have had no experience with the disease and measures against it are likely to be neglected if there is the slightest sign of an abatement.

A very general inoculation with Haffkine lymph is being conducted, and up to May 31 2,500 persons were officially reported as having been inoculated.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

BRAZIL—*Para.*—Month of August, 1908. Estimated population, 195,000. Total number of deaths 246, including yellow fever 10, and 38 from tuberculosis.

Month of September, 1908. Total number of deaths, 259, including yellow fever 11, and 36 from tuberculosis.

Month of October, 1908. Total number of deaths, 274, including smallpox 1, diphtheria 1, yellow fever 8, bubonic plague 1, and 31 from tuberculosis.

Rio de Janeiro.—Month of January, 1909. Estimated population, 827,669. Total number of deaths, 1,278, including enteric fever 4, smallpox 111, measles 9, whooping cough 3, diphtheria 3, plague 4, leprosy 1, beriberi 9, and 274 from tuberculosis.

Sao Paulo, Santos, and Campinas.—Three weeks ended May 2, 1909. Estimated population 300,000. Total number of deaths, 547, including whooping cough 4, diphtheria 3, enteric fever 6, smallpox 6, measles 3, and 34 from tuberculosis.

BRITISH WEST INDIES—*Trinidad—Port of Spain.*—Period from March 13 to May 22, 1909. Estimated population 60,000. Total number of deaths, 341, including enteric fever 7, yellow fever 1, and 29 from tuberculosis.

CANADA—*British Columbia—Vancouver.*—Month of May, 1909. Estimated population 66,500. Total number of deaths, 60, including whooping cough 3, enteric fever 1, scarlet fever 4, diphtheria 1, and 4

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from tuberculosis. Cases: Smallpox 6, measles 132, scarlet fever 58, diphtheria 4, whooping cough 78, and enteric fever 3.

CHINA—*Kulangsu.*—Four weeks ended May 8, 1909. Estimated population, 8,000. Total number of deaths, 17, including 1 from smallpox.

CUBA—*Baracoa.*—Period from January 23 to March 20, 1909. Estimated population, 27,000. Total number of deaths, 27, including diphtheria 1, and 5 from tuberculosis.

EGYPT—*Alexandria.*—Month of April, 1909. Estimated population, 420,000. Total number of deaths, 1,016, including smallpox 1, enteric fever 14, scarlet fever 65, diphtheria 19, measles 60, and 76 from tuberculosis.

Suez.—Period from April 1 to May 20, 1909. Estimated population; 19,786. Total number of deaths, 106, including enteric fever 2, typhus fever 1, and 3 from smallpox.

FRANCE—*Cherbourg.*—Month of May, 1909. Estimated population, 43,948. Total number of deaths, 79, including enteric fever 3, diphtheria 1, and 27 from tuberculosis.

Nice.—Month of January, 1909. Estimated population, 150,881. Total number of deaths, 296, including enteric fever 3, diphtheria 2, and 31 from tuberculosis.

Month of February, 1909. Total number of deaths, 284, including enteric fever 2, diphtheria 2, and 33 from tuberculosis.

Month of March, 1909. Total number of deaths, 361, including enteric fever 2, scarlet fever 1, diphtheria 1, and 39 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended May 29, 1909, correspond to an annual rate of 13.9 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand two hundred and forty deaths were registered during the week, including measles 63, scarlet fever 6, diphtheria 17, enteric fever 3, whooping cough 35, tuberculosis 123, and 16 from diarrhea. The deaths from all causes correspond to an annual rate of 13.7 per 1,000. In Greater London 1,754 deaths were registered. In the "outer ring" the deaths included 4 from measles, 4 from diphtheria, 1 from scarlet fever, and 8 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended May 29, 1909, in the 21 principal town districts of Ireland was 20.2 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Newry, viz, 4.2, and the highest in Newtownards, viz, 45.8 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended May 29, 1909, correspond to an annual rate of 16.7 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 19.4, and the lowest in

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Greenock, viz, 10.8 per 1,000. The aggregate number of deaths registered from all causes was 596, including diphtheria 5, measles 3, scarlet fever 5, enteric fever 3, and 40 from whooping cough.

ITALY—*Genoa.*—Two weeks ended May 15, 1909. Estimated population, 279,163. Total number of deaths, 256, including enteric fever 2, measles 14, and 21 from tuberculosis.

JAPAN—*Formosa.*—Two weeks ended May 15, 1909. Estimated population, 3,108,723. Total number of deaths, 107, including enteric fever 8, and 98 from plague.

MALTA.—Month of May, 1909. Estimated population, 212,888. Total number of deaths, 369, including enteric fever 3, whooping cough 2, and 12 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to June 25, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Jan. 2	16	13	
China:				
Amoy	June 19			Present.
Hongkong	Dec. 28-Jan. 16	2	2	
Swatow and vicinity	Apr. 17-May 10			Present among natives.
India:				
Bombay	Dec. 9-May 25		406	
Calcutta	Nov. 1-May 15		1,255	
Madras	Nov. 14-Apr. 9		61	
Negapatam	Oct. 31-Apr. 30		50	
Rangoon	Nov. 8-May 15		95	
Indo-China:				
Cholen	Nov. 9-15	1	1	
Saigon	Mar. 1-May 1	3	2	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1-Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Albay	May 2-8	5	5	
Antique	Nov. 1-Jan. 16	260	163	
Bataan	Nov. 1-7	1	1	
Bohol	Dec. 20-May 1	551	273	
Bulacan	Nov. 1-Feb. 27	82	71	
Cagayan	Nov. 1-Apr. 10	175	108	
Capiz	Nov. 1-Apr. 17	1,535	873	
Cavite	Nov. 1-Feb. 20	110	81	
Cebu	Dec. 20-Apr. 24	38	21	
Ilocos Norte	Nov. 1-Jan. 16	335	235	
Ilocos Sur	Nov. 1-Jan. 2	207	140	
Iloilo	Nov. 1-Apr. 17	495	155	Apr. 11, 1 case on boat Lolita.
Isabela	Jan. 24-Apr. 24	21	12	
Laguna	Nov. 1-Mar. 6	119	81	
Leyte	Nov. 1-Mar. 6	158	125	
Misamis	Apr. 11-May 8	42	25	
Negros Occidental	Nov. 1-May 8	620	351	
Nueva Ecija	Feb. 14-20	1	1	
Palawan	Nov. 1-Dec. 19	10	5	
Pampanga	Nov. 1-May 8	111	83	
Pangasinan—				
Taytay	Apr. 10-17	9		
Rizal	Nov. 1-Apr. 17	249	218	
Samar	Nov. 1-Mar. 13	196	223	
Sorsogon	Jan. 10-May 8	138	94	
Surigao	Nov. 15-Jan. 12	7	4	
Union	Nov. 1-Jan. 12	12	8	
Zambales	Dec. 6-12	3	3	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia, general	Nov. 15–May 22	4,075	1,792	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15–Jan. 23	34	13	
Bakoo	Nov. 22–28	3	2	
Batoon	Nov. 15–21	4	2	
Charkov	Dec. 6–Mar. 13	6	1	
Cronstadt	Nov. 15–Jan. 16	3	1	
Don, territory of	Nov. 15–Mar. 6	190	97	
Ekaterinislav	Nov. 15–Dec. 26	27	11	
Erivan	Dec. 1–31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7–Mar. 20	63	28	
Kherson	Nov. 15–Dec. 19	2	.....	
Kief	Nov. 15–Dec. 12	11	1	
Kooban	Nov. 15–Jan. 2	139	76	
Kastroma	Dec. 6–12	1	.....	
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3	.....	
Romanov-Borisoglyebsk	Mar. 10	.....	.....	Present.
Rybinsk	Mar. 13	7	.....	
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of	Dec. 19–26	1	.....	
Stavropol	Nov. 15–21	1	.....	
St. Petersburg, government	Nov. 15–Mar. 19	35	.....	
St. Petersburg	Nov. 29–May 22	2,372	725	June 1, still present.
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 23	102	48	
Toula	Feb. 21–Mar. 6	7	2	
Tver district	Nov. 15–Dec. 5	4	.....	
Volgoda	Dec. 6–12	1	.....	
Yellsavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–Apr. 24	2	1	
Straits Settlements:				
Penang	Feb. 27	1	.....	From s. s. Sunki Maru.
Singapore	Nov. 8–Apr. 24	.....	167	

YELLOW FEVER.

Barbados, general	Dec. 12–June 12	76	22	Including the parishes of St. Andrew, St. John, St. Joseph, St. Lucy, St. Michael, and St. Thomas.
Bridgetown	Dec. 12–Mar. 20	11	.....	
Speightstown	Mar. 7	1	.....	
Brazil:				
Bahia	Nov. 15–May 21	212	85	
Manaos	Nov. 29–May 22	.....	22	
Para	Nov. 22–May 29	.....	86	
Pernambuco	Nov. 15–Mar. 31	.....	7	
Rio de Janeiro	Apr. 18–25	1	.....	
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Habana Province—				
Habana	June 21	1	.....	On s. s. Fürst Bismarck.
Oriente Province—				
San Luis	Jan. 1–2	2	1	These cases were removed Dec. 2 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1	.....	
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29–May 22	.....	159	
Martinique:				
Fort de France	Dec. 13–Mar. 6	5	1	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–June 2	19	8	May 19, 1 case from Tekax.

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

YELLOW FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico—Continued.				
San Bernardo plantation	Dec. 27–May 1	8	4	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Ticul	Feb. 1–Apr. 13	4	2	
Veracruz	Dec. 6–Feb. 13	13	6	
Portugal:				
Lisbon	June 1	2		In quarantine from s. s. Lanfranc; 4 deaths en voyage from Para, from May 18.
Trinidad:				
Port of Spain	Jan. 20–Apr. 3	1	2	
Venezuela:				
Maiquetia	May 24	1	1	

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Mascat	Apr. 16	1	1	From s. s. Agrica.
Azores:				
Fayal	Apr. 1	1		Sept. 22–Mar. 31. 10 cases additional.
Terceira	Feb. 1–Apr. 30	27	11	
Australia:				
Adelaide	Apr. 15–20	2	2	
Brisbane	Nov. 1–7	1	1	
Newcastle	Mar. 1–31	1		
Sydney	Mar. 6–Apr. 10	17	5	
Belgium:				
Antwerp	Apr. 11	3		In quarantine at Doel from s. s. Rubens.
Brazil:				
Bahia	Nov. 15–Apr. 30	61	28	
Para	Jan. 24–Feb. 6		2	
Pernambuco	Nov. 1–Dec. 31		10	
Rio de Janeiro	Nov. 16–May 9	79	36	
Chile:				
Antofagasta	Feb. 28–Apr. 17	42		May 1, 5 cases in lazaretto.
Arica	Mar. 9			Present. May 13, again present.
Iquique	Jan. 1–May 8	77	28	Year 1908, 133–70; May 8, 20 cases in the lazaretto.
Magillones	Mar. 9–10	70		
Taltal	Feb. 11–Apr. 4			Present.
China:				
Amoy	Mar. 6–Apr. 30	251	50	May 8, present in vicinity, and present at Wuchang in September.
Am Phau	Apr. 1–30	5	3	
Canton	Mar. 6–May 8	155	110	
Changchew	Apr. 3			Epidemic.
Chinchew	Mar. 7–Apr. 3			Present.
Fukien Province, Chang Poo	Mar. 7–May 10			Epidemic.
Hankau	Nov. 30–Dec. 5	1	1	On river boat Loongwo.
Hongkong	Jan. 1–May 1	45	38	Nov. 7, 1 case, 1 death.
Swatow	Apr. 1–May 15		2,050	In 14 districts in vicinity, among natives.
Tamchou	Dec. 19			Vicinity of Hainan; present.
Tientsin	Oct. 18–Nov. 21			Present. Feb. 16, again present.
Tongshan	Nov. 1–14			Present.
Ecuador:				
Babohoyo	Jan. 16–Mar. 27	5		
Guayaquil	Nov. 29–May 22		135	
Milagro	Nov. 17–Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25–Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14–May 29	6	2	
Port Said	Dec. 4–May 28	10	7	
Suakim	Feb. 1	1		On s. s. Hu et II.
Provinces—				
Assiout	Dec. 2–May 13	32	25	
Beherach	Nov. 24–Dec. 26	11	6	
Benisouef	May 24	1		
Dakakliah	Feb. 4–Mar. 20	6	6	
Galyoobeeyeh	Nov. 21–June 3	4		
Garbieh	Nov. 27–June 1	12	4	
Girgeh	Oct. 18–Mar. 14	8	8	
Fayoum	Nov. 23–June 2	59	37	
Menouf	Nov. 27–Jan. 17	155	35	
Minieh	Nov. 25–May 16	22	11	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
German East Africa:				
Dar-es-Salaam	Oct. 10–Jan. 7	7	5	
Muanza	Apr. 14		60	
Great Britain:				
Elstree	Feb. 3–4	1	1	At plague laboratory.
India:				
Bombay Presidency and Sind.	Nov. 2–May 15	27,813	20,547	
Madras Presidency	Nov. 2–May 15	1,296	917	
Bengal	Nov. 2–May 15	7,627	6,465	
United Provinces	Nov. 2–May 15	14,180	12,429	
Punjab	Nov. 2–May 15	35,972	29,119	
Burma	Nov. 2–May 15	6,104	5,768	
Central provinces, including Berar.	Nov. 2–May 15	6,758	5,362	
Coorg	Nov. 2–Dec. 17	5	3	
Mysore State	Nov. 2–May 15	3,055	2,207	
Hyderabad State	Nov. 2–May 15	641	536	
Central India	Nov. 2–May 15	822	640	
Rajputana	Nov. 2–May 15	5,253	4,608	
Kashmir	Mar. 14–May 15	39	27	
Northwest Province	Mar. 21–Apr. 27	5		
Grand total		109,570	88,628	
Bahrein Island, Persian Gulf	Apr. 26–May 28		18	
Indo-China:				
Cholen	Oct. 25–Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25–May 8	44	44	
Japan:				
Amagasaki	Feb. 27			Present.
Awaji Island, Sumoto	Feb. 27			Do.
Formosa	Nov. 8–May 22	864	396	Mainly in the central and south central part.
Himeji	Apr. 30	1	1	
Hiogo, prefecture				Year 1908, 219 cases additional.
Kagi, prefecture	Jan. 16	5		
Kagoshima, prefecture	Feb. 6	1		From s. s. Shinkochi Maru.
Kioto	Apr. 24	1	1	
Kobe	Jan. 20–Apr. 30	9	7	3 cases from s. s. Ghazee. Feb. 27 again present. Apr. 3, 1 case in vicinity.
Mikagi	Feb. 27			Present.
Nara, prefecture				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases. Feb. 28, still present.
Osaka	Dec. 22–May 1	4	2	Year 1908, 59 cases additional. Case Jan. 29, on s. s. Shinkochi Maru.
Tokushima, prefecture		1		Year 1908.
Yokohama	May 3–24	11	8	
Yura		116	83	Do.
Mauritius	Oct. 2–Jan. 31		115	
Persia:				
Bushire	Apr. 30–May 2		10	On s. s. Dumra.
Peru:				
Arequipa, department	Feb. 19–May 6	10	5	
Mollendo	Nov. 1–Feb. 18	1	5	
Cajamarca, department	Feb. 19–May 6	84	56	
Cascas	Feb. 12–18	12	5	
Chota	Jan. 22–Feb. 18	8	8	
Callao, department	Feb. 19–May 6	17	9	
Callao	Nov. 13–Feb. 18	18	11	Apr. 21, present.
Lambayeque, general	Feb. 19–May 6	79	27	
Chiclayo	Nov. 13–Feb. 18	44	23	
Eten	Nov. 13–Dec. 31	11	10	
Jayanca	Feb. 4	12		
Lambayeque	Feb. 18–Mar. 4	6	5	
Motupe	Dec. 17–Jan. 14	2		
San Jose	Nov. 13–Dec. 3	2		
Zaña	Jan. 14–Feb. 18	4	2	
Libertad, department	Feb. 19–May 6	62	22	
Casma	Feb. 4	1	1	
Chepen	Nov. 27–Feb. 18	19	6	
San Pedro	Nov. 13–Feb. 18	28	21	
Trujillo	Nov. 13–18	153	70	
Lima, department	Feb. 19–May 6	53	19	
Chorrillos	Jan. 22–Feb. 4	2	2	
Lima	Nov. 13–Feb. 13	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Piura, department	Feb. 19–Mar. 4	2	1	
Catacaos	Dec. 11–Feb. 18	7		
Paita	Dec. 11–17	3	2	
Piura	Dec. 11–Jan. 14	6	4	
Russia:				
Libau	Mar. 30–Apr. 5	1		
Siam:				
Bangkok	Sept. 27–Apr. 24	16	8	
Straits Settlements:				
Singapore	Nov. 30–Apr. 24	6	6	
Trinidad:				
Port of Spain	May 27		1	
Turkey in Asia:				
Bagdad	Nov. 6–May 31	51	17	Total since outbreak May 7, 1908, 163 cases, 85 deaths.
Beirut	Dec. 17–Jan. 9	5	5	
Jiddah	Dec. 12–Apr. 25	178	160	
Venezuela:				
Caracas	May 20–June 17	13	5	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1–Apr. 30		113	
Bona	Jan. 1–May 31	108	63	
Arabia:				
Aden	Nov. 25–Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1–Feb. 28		5	
Australia:				
New South Wales—				
Newcastle	Nov. 1–30	1		
Austria:				
Bohemia	Jan. 31–May 1	9		
Galicia	Dec. 20–May 22	14		
Silesia	Jan. 3–May 1	6		
Trieste	Mar. 21–27	1		
Barbados:				
Bridgetown	May 1	1		From s. s. Parima.
Brazil:				
Bahia	Nov. 15–May 14	360	39	
Para	Feb. 14–Mar. 27	3	2	
Pernambuco	Nov. 1–Mar. 31		124	
Rio de Janeiro	Nov. 16–May 16	1,449	709	
Santos	Nov. 1–Dec. 20		10	
São Paulo	Nov. 1–May 2		66	
British Honduras:				
Stann Creek	Feb. 5–Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28–Mar. 13	5		
Durban	Mar. 20–27	1		
East London	Apr. 10–17	1	1	From s. s. Elleric.
Canada:				
British Columbia—				
Vancouver	Dec. 1–May 31	14		
Victoria	Dec. 12–Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20–May 29	8		
Ontario, Province, general	Dec. 1–31	118		
Hamilton	Jan. 17–23	1		
Toronto	Nov. 8–May 15	26		
Nova Scotia—				
Halifax	Dec. 13–June 5	88		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1–May 29	32		Revised.
Quebec—				
Montreal	Dec. 26–Jan 2	1		
Quebec	June 5	1		At Grosse Isle from s. s. Virginian.
Ceylon:				
Colombo	Nov. 1–May 22	207	4	
Chile:				
Concepcion	Jan. 15–31	1		
Santiago	Apr. 27			Epidemic in suburbs.
Talcaguana	Nov. 20–Jan. 28			Present in vicinity.
Valparaiso	Dec. 6–19	2		
China:				
Amoy, Kulangsu	Oct. 11–May 8		3	
Canton	Mar. 6–May 8	100		

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Hankau	Mar. 20			Present.
Hongkong	Jan. 3–May 1	23	7	
Shanghai	Nov. 11–May 23	9	9	3 cases Nov. 11–Dec. 28 from U. S. transport Seward, case Apr. 17 from s. s. Helena.
Swatow and vicinity	Apr. 17–May 10			Present among natives.
Tientsin	Jan. 17–May 8	19	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26–Apr. 3	5		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecuador:				
Guamote	Jan. 16			Present.
Mangiar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12–Apr. 22	2,100	534	
Alexandria	Nov. 26–Apr. 30	55	31	
Cairo	Nov. 19–May 20	513	150	
Suez	Feb. 19–May 20	83	5	
France:				
Marseille	Dec. 1–May 31		11	
Nantes	Mar. 15–21	1		
Nice	Jan. 1–31	1		
Paris	Nov. 22–May 22	73	3	
Toulon	Jan. 1–31	1		
Germany, general	Nov. 19–May 29	103		
Bremen	Jan. 16–23	2		
Breslau	Dec. 20–26	1		
Brunswick	Feb. 16–20	1		
Hamburg	Mar. 13–May 22	4		Among Russian emigrants.
Königsberg	Jan. 9–May 22	2		
Gibraltar	May 2	1		
Greece:				
Athens	Nov. 22–Mar. 6		5	
Patras	Dec. 16–31	1	1	
Great Britain:				
Bristol	Dec. 13–May 29	35	9	
Cardiff	Apr. 3–May 1	1	1	
Dunbar	Mar. 21–27	1		From a vessel.
London	Feb. 1–6	1		
Guatemala:				
Guatemala City	Dec. 21–May 29	606	200	Estimated, 2,800 cases; 540 deaths.
India:				
Bombay	Nov. 25–May 25		339	
Calcutta	Nov. 1–May 15		3,631	
Madras	Nov. 28–May 21		41	
Rangoon	Nov. 22–May 15		113	
Indo-China:				
Cholen	Nov. 15–Dec. 5	6	5	
Saigon	Nov. 1–May 8	63	34	
Italy, general	Nov 30–May 30	411		
Catania	Feb. 28–May 8	9		
Cinquefrondi	Jan. 15–21	13		
Florence	Nov. 24–Mar. 10	4		
Genoa	Dec. 1–May 31	14		Jan. 18, 1 case on s. s. Europa. Apr. 23, 1 case on s. s. Montevideo. May 1, 1 case on s. s. Verona.
Naples	Dec. 7–May 30	452	75	
Palermo	Jan. 24–Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15–21	2		
Turin	May 15–21	1		
Japan:				
Formosa	Nov. 29–May 8	23		
Kobe	Feb. 14–Mar. 6	5	2	2 cases in March from s. s. Ghasee from Singapore.
Tokyo	May 8–Dec. 31	314		
Java:				
Batavia	Nov. 1–May 8	92	10	
Malta	Nov. 22–Feb. 20	4	1	Nov. 22, 1 case on vessel.
Manchuria:				
Dalny	Jan. 17–May 22	9	3	
Mexico:				
Acapulco	Jan. 11–Feb. 14	15		
Acayucan	Mar. 17			Present.
Chihuchua	Apr. 19–June 6	8	3	
Guadalajara	Jan. 7–27		20	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico—Continued.				
Matamoras	May 9-15	1		
Mexico City	Nov. 8-May 15		394	
Monterey	Jan. 4-June 13		88	
Puebla	May 9			Epidemic.
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Salina Cruz	Jan. 1-15	5		
Tampico	Apr. 28-June 2			Present at localities between Tampico and Tuspan.
Tehuantepec	Jan. 28-Feb. 3			Present.
Tequila	June 11			Epidemic.
Veracruz	Dec. 13-May 31	10	6	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Present.
Netherlands, The:				
Nymwegen	Apr. 28-May 4	1		
Rotterdam	Jan. 10-Mar. 27	1	1	
Newfoundland	Feb. 9-Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10-Apr. 3	11		Jan. 10, 1 case from s. s. Portia.
Norway:				
Bergen	Jan. 24-30		2	
Christiania	Nov. 22-28	1	1	
Paraguay:				
Asuncion	Dec. 20-26			Present.
Persia:				
Arabistan	Jan. 1-28			Do.
Astrabad	Apr. 13-24			Epidemic.
Dizfoul	Jan. 1-28			Present.
Hamadan	Oct. 2-Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Mar. 1-31	22		Present in October.
Mash-Had	Apr. 5			Present.
Mechedisser	Jan. 1-28			Do.
Mohammerah	Jan. 1-28			Do.
Sultanabad	Oct. 1-31			Do.
Tabriz	Oct. 2-Apr. 5			Do.
Teheran	Sept. 18-Oct. 28		17	
Trebizond	Jan. 16			Do.
Peru:				
Lima	Nov. 22-Dec. 31	11		Mar. 27, 1 case in the lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-May 8	111	22	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-May 29	89		Jan. 27, 1 case from s. s. Aragon.
Russia:				
Batum	Dec. 1-Mar. 31	4		
Moscow	Nov. 20-May 22	553	211	
Odessa	Oct. 4-May 29	99	17	
Reval	Jan. 1-31	1		
Riga	Nov. 29-June 5	51		
St. Petersburg	Nov. 15-May 8	259	79	
Warsaw	Nov. 1-Apr. 24		88	
Salvador:				
Ahuachapan	Apr. 27	5		In quarantine.
San Geronimo, Canton	Apr. 27	7	2	Matopan, Department.
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6-Apr. 27	40		Present on routes to Guatemala.
Santiago	Apr. 27	12		
Servia:				
Belgrade	Dec. 6-May 29	18	6	
Siam:				
Bangkok	Feb. 1-Apr. 24	147	92	Present in November.
Siberia:				
Vladivostok	Dec. 14-Feb. 14	2		
Southeast Africa:				
Lourenço Marquez	Jan. 1-31	1	1	
Spain:				
Almeria	Jan. 1-Apr. 30		10	Apr. 1-Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6-May 31		91	
Cartagena	July 1-31		15	
Huelva	Mar. 1-31		2	
Madrid	Nov. 1-Apr. 30		118	
Valencia	Nov. 29-May 29	144	12	
Vigo	Nov. 30-May 29		16	

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Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Straits Settlements:				
Penang	Mar. 1-27	2	2	Mar. 1, 1 case from s. s. Pentakota; case Mar. 27 from s. s. Hong Sin.
Singapore	Dec. 28-May 8		24	
Switzerland:				
Geneva	May 9-29	8		
Grisons, Canton	May 16-22	1		
Zug, Canton	Apr. 11-17	1		
Zurich	Feb. 21-27	3		
Tripoli:				
Tripoli	Feb. 13-May 22	208	141	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bagdad	Feb. 13-May 8			Present.
Bassorah	Jan. 3-May 22			Do.
Smyrna	Oct. 7-May 6		75	
Turkey in Europe:				
Constantinople	Dec. 7-May 30		76	
Trebizond	Feb. 7-May 2			Do.
Uruguay:				
Montevideo	Dec. 1-Mar. 31		21	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	May 29	181,918	58								1	1		1
Acapulco	do	5,000	9											
Aguascalientes	June 6	40,000	80	2					1		3		2	2
Amsterdam	May 29	566,304	216	38							2	2	2	11
Do	June 5	566,304										2	6	7
Antwerp	May 22	323,921	76	5							2		1	
Asuncion	Apr. 17	75,000	24	4						2				
Do	Apr. 24	75,000	22	3										
Athens	May 22	241,058	91	24						1			2	
Bahia	May 7	265,000	101	19			3	3					3	
Barcelona	May 31	600,000	395	24				4		4		11	2	1
Barmen	May 15	161,200	29	6									1	
Barranquilla	May 22	40,000	17											
Basel	May 29	131,000	30	5										
Belize	June 3	9,113	3											
Berlin	May 15	2,101,876	547	101							6	11	9	6
Birmingham	May 29	558,336	130								4	2	5	3
Bluefields	do	2,500	4											
Bombay	May 18	977,822	737	45	212	2		11		2			5	
Bordeaux	May 22	253,000	102	8							1			
Do	May 29	253,000	98	13						1		2		1
Bremen	May 22	235,236	71	12										
Do	May 29	235,236	90	19							1			1
Breslau	May 22	335,186	230	33										
Bristol	May 29	377,642	87	7						1			1	1
Brussels	do	704,975	184	15							1		4	
Budapest	May 22	804,200										1	8	1
Cairo	May 13	701,806	650	24				2	8	11			69	
Calcutta	May 8	847,796	745	24	255	68		75					2	
Cartagena	May 23	30,000	11	2										
Chemnitz	May 22	274,993	69	10								1		
Chihuahua	June 6	37,000	36	5				3						2
Christiania	May 29	235,000	68									1	1	3
Cienfuegos	do	37,000	13											
Do	June 5	37,000	12											
Coburg	May 22	23,465	10								1			
Cologne	do	470,700	162	27							1	6	2	2
Colombo	May 1	183,872	122	22						4				
Do	May 8	183,872	118	15						7				
Colon	May 29	16,000	8	1										

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Constantinople	May 23	1,000,000	226	34				4		7		1	1	
Copenhagen	May 15	447,000	153	16								1	5	2
Dalny	...do....	37,923	11	2										
Dresden	May 29	546,900	161	20							2	3	1	
Dundee	...do....	169,409	61											3
Durban	May 8	60,244	12	1										
Edinburgh	May 29	355,366	110	16										7
Erfurt	May 15	108,124	26	4							2			
Do	May 22	108,124	40	7									3	
Fiume	May 29	50,811	25	10						1				
Frankfort-on-the-Main	Apr. 3	362,600	86								4		1	1
Geneva	May 22	121,500	44											
Georgetown	May 15	56,000	31	3										
Ghent	May 22	164,579	51	2										
Gibraltar	May 23	26,830	5											
Do	May 30	26,830	5											
Glasgow	June 4	872,021	287								4	2		24
Gothenburg	May 29	162,400	22	4										1
Greenock	...do....	72,300	15											3
Guayaquil	May 8	75,000	86	7	13		5							1
Do	May 15	75,000	79	8	9		9			5				
Do	May 22	75,000	59	5	7		7			2				3
Halifax	June 5	40,787	30	5								1		
Hamburg	May 29	872,252	275	32							3	5	1	5
Hamilton, Bermuda Is.	June 7	20,206	5											
Havre	Apr. 3	132,430	66	14										1
Hilo	May 22	3,500	6	1						1				
Do	May 29	3,500	4											
Kobe	May 15	380,717	144							2		1		
Konigsberg	...do....	239,100	103	21								2		
Lausanne	May 22	60,000	17											
Leeds	May 29	484,012	133	8						1		1	1	
Leipzig	May 22	537,686	136	18							2	2	1	
Leith	May 29	85,721	19	2										
Liege	May 22	176,465	59	3						1				
Liverpool	May 29	760,357	255	22					2		3	2	13	2
Lisbon	May 1	406,869	163	28						1				2
London	May 29	4,833,938	1,240	123						3	3	17	63	35
Lubeck	...do....	97,000	32	2										
Lyon	May 22	472,114	180	39							1	1	2	
Do	May 29	472,114	171	36							1			
Madras	May 14	509,346	377					2					7	
Magdeburg	May 22	250,284	86	10								1		1
Managua	May 15	22,278	18	1						1				
Do	May 22	22,278	12											
Manaos	...do....	52,000	40	4			2							
Mannheim	May 15	182,455	47	11									4	1
Matamoros	June 5	8,000	9	1						1				
Milan	May 23	900,000	203	43						2	4	1	2	
Do	May 30	900,000	229	46						3	5	3	3	
Moncton, N. B.	June 12	13,500	4											
Monterey	June 6	100,000	103	6				3	2	23			3	
Montreal	June 5	378,856	119	17						3	3	1		
Do	June 12	378,856	108	7						1		1		
Moscow	May 22	1,335,104	749	85				7	5	3	21	15	37	7
Munich	...do....	566,000	247	50							3	2	7	7
Nagasaki	May 16	175,936	32											
Naples	May 29	593,729	317					4				2		
Newcastle-on-Tyne	...do....	281,584	88	8									4	4
Nottingham	May 22	260,000	88										7	
Nuevo Laredo	June 5	8,000	2											
Odessa	May 15	467,000	205	43				2	1	2	6		2	
Do	May 22	467,000	208	33					2	1	3	5	1	
Do	May 29	467,000	141	23							2	2	5	1
Ottawa	June 5	80,200	27											
Palermo	May 8	335,000	125	11					1			1	1	
Do	May 15	335,000	121	4					1		1		1	1
Do	May 22	335,000	118	4							1	1	1	
Do	May 29	335,000	116	4									2	
Plymouth	...do....	124,180	45									1		1
Port Elizabeth	May 15	32,959	15	2										
Queenstown	May 29	7,684	4	1										

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Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Rangoon	May 8	252,155	175	3	18	1		7						
Rio de Janeiro	May 2	811,443	236	44				3		2		1		
Do	May 9	811,443	278	57				2				4		1
Do	May 16	811,443	245	55				6		2		1	5	1
Rome	Feb. 13	559,715	327	19						1		2	8	1
Do	Feb. 20	559,715	335	19						1		2	13	3
Do	Feb. 27	559,715	400	28							2	4	14	6
Rotterdam	May 29	413,563	105									1		
Saigon	May 8	206,000			1			2						
St. John, N. B.	June 12	40,711	11	3										
San Feliu de Guixols	May 29	11,094	4											
Santiago de Cuba	June 5	53,614	15											
Santos	Apr. 25	82,000	31	3						1				
Schiedam	May 15	31,620	9	1										
Do	May 22	31,620	7	1										
Shanghai	May 8	565,000	125	9								2		
Sheffield [a]	Apr. 10	450,000	193	20						1	1		30	3
Do	May 22	450,000	131	12							1		4	1
Do	May 29	450,000	122	11						1	2	1	6	1
Singapore	May 1	260,000	192	24		1				1				
Southampton	May 29	124,667	30	2							1			1
Stettin	May 22	230,000	74	11								2	1	
Do	May 29	230,000	95	7									1	
Stockholm	May 15	339,582	105	23							3			
Do	May 22	339,582	106	21							3			2
Tegucigalpa	May 25	24,000	15											
Tientsin	May 8	1,000,000	7							1	2			
Trieste	May 15	217,706	87											
Turin	May 28	381,439	130	19						3		2	1	
Valencia	May 22	240,000	82	12								1	1	
Vevey	do	14,500	5											
Victoria, British Columbia	June 5	30,000	5	1										
Vienna	May 22	2,064,037	734	117						1	12	13	17	5
Do	May 29	2,064,037	702	134							3	9	21	4
Vigo	do	40,000	12	3				2						
Warsaw	Apr. 10	751,595	294	58				2		2	7	2	5	2
Do	Apr. 17	751,595	285	57				2	4	1	6	6	2	1
Do	Apr. 24	751,595	269	57				2	4	3	2	1	4	
Winnipeg	June 5	122,000	29								1			

[a] Reported out of date.

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.

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PUBLIC HEALTH REPORTS.

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